



空调涡旋压缩机 产品手册

Copeland Scroll™ Compressors 50Hz



EMERSON
Climate Technologies



艾默生环境优化技术公司介绍 >>

艾默生环境优化技术作为世界暖通空调组件制造的领导者,为无数工业用和住宅用温度方面关键应用提供全面的解决方案。艾默生环境优化技术旗下各品牌均是行业内的领先者,如: Copeland 压缩机、White-Rodgers和Flow Controls。公司将旗下分公司拥有高科技技术的产品与公司在工程、设计、分销、安装与监控资源相整合,为客户提供完全可靠的环境优化系统。艾默生环境优化技术的竞争优势在于拥有能为客户提供最先进的、环境友好的温度控制系统行业标准和专利技术。

艾默生环境优化技术拥有种类繁多的产品和服务,可用于工业、商业用和住宅用等不同领域,包括:住宅空调、商用空调,制冷、工业、采暖和通风。

更多产品资讯请登陆 www.emersonclimate.com.cn

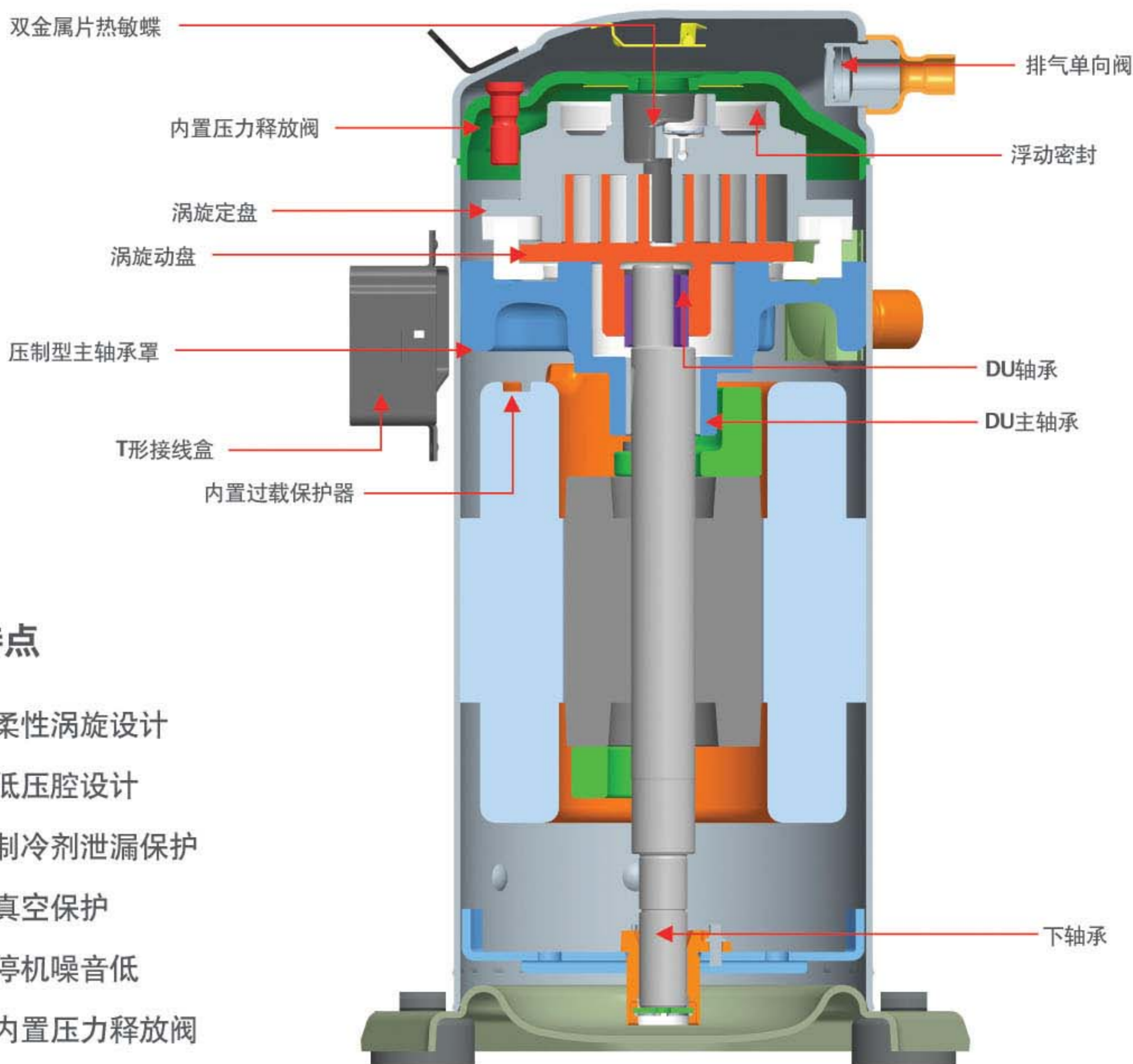
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谷轮柔性涡旋压缩机特点 >>

- 谷轮特有的径向和轴向柔性涡旋，提升了压缩机的效率和可靠性。
- 由于无需用于压缩气体的活塞，因此没有重新膨胀所引起的容积效率损失，而这在往复式压缩机的每个活塞冲程中都会发生。
- 同样，由于无需阀门，阀片损失也得以避免。
- 在运行过程中，离心力保持了近乎连续的压缩过程以及恒定的无泄漏接触。
- 吸入与排出气体分开，从而减少了热传递损失。

涡旋压缩机内部构造



特点

- 柔性涡旋设计
- 低压腔设计
- 制冷剂泄漏保护
- 真空保护
- 停机噪音低
- 内置压力释放阀

谷轮柔性涡旋压缩机的卓越性能 >>



1989年,在Water Furnace公司研发2.5冷吨地源热泵系统时,采用谷轮柔性涡旋压缩机。该公司的工程及质量副总裁Carl Huber先生将自家3300平方英尺(约合307平方米)的住宅作为压缩机性能测试的一个场所。

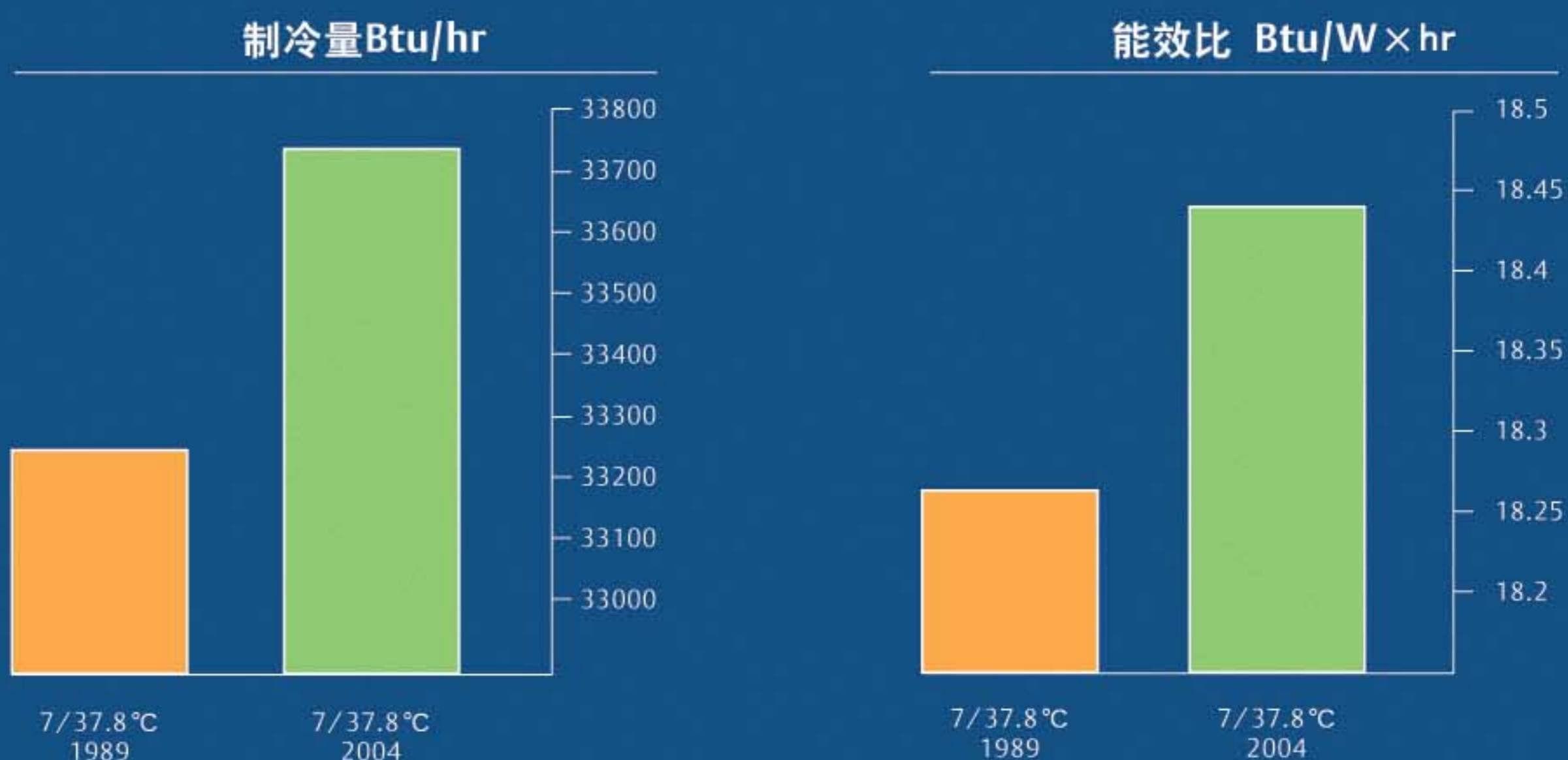
2004年,当Huber先生翻新整个住宅时,谷轮涡旋压缩机仍在有效可靠地运行。15年来,谷轮柔性涡旋压缩机运行情况良好,确保了Huber先生家的地热系统的使用。15年间唯一需要维修更换的仅是鼓风机和过滤器,这些部件均与压缩机无关。

当Huber先生重装地热系统时,他与艾默生环境优化技术公司取得联系,公司立即表示有兴趣对这个已有15年工作史的压缩机进行测试。

通过一系列的测试后,公司发现经过15年的持续使用后,这台谷轮柔性涡旋压缩机的效率实际上增加了1-2%(测试结果见下图)。

Huber先生对公司表示其实他对这样的测试结果并不感到十分惊讶。Huber先生说:“我们需要能使我们的系统达到最高效率的可靠零部件,我们发现谷轮柔性涡旋压缩机是最佳的选择。Water Furnace已在质量方面树立卓著声誉,其中很大一部分得益于谷轮涡旋压缩机。如果我们拥有满意的业主,我们就能卖出更多空调产品。”

谷轮涡旋压缩机使用15年后测试结果



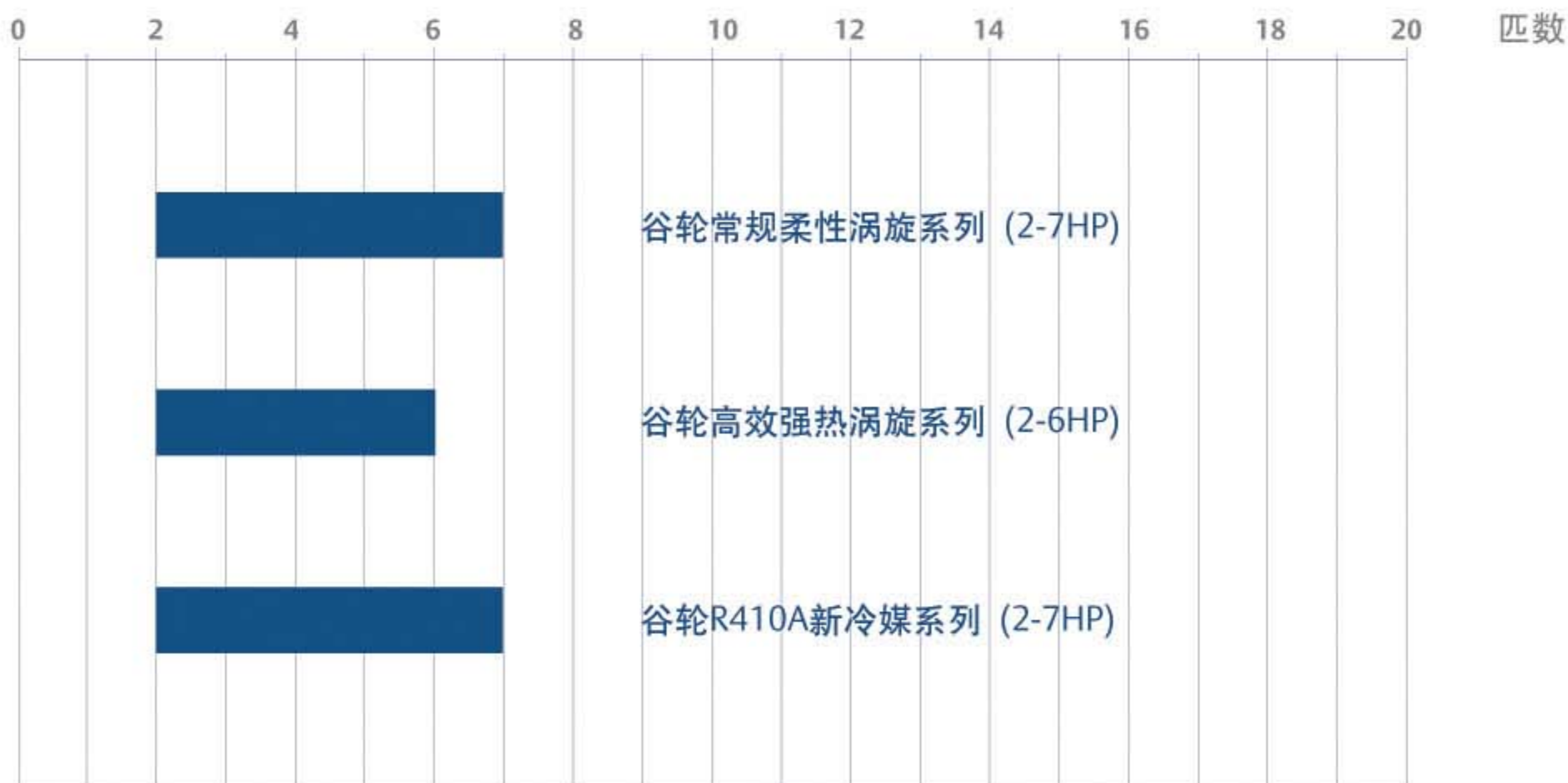
注:测试工况(7/37.8°C)与国内测试工况略有差异,以上数据仅为对比参考用。



产品型谱图 >>

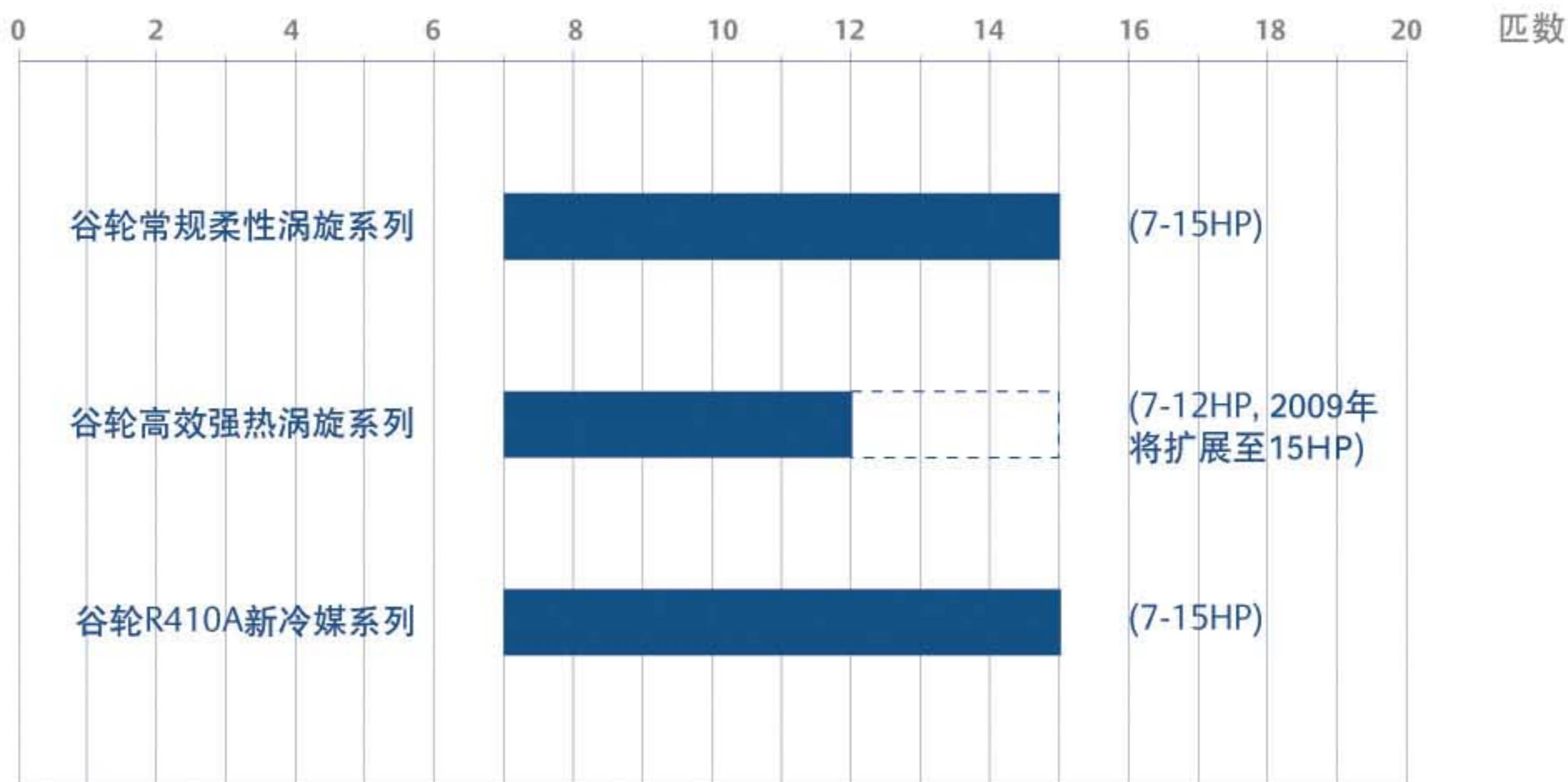
家用系列 >>

基于优越的谷轮涡旋技术平台，特别为高效系统优化。因此制造商使用它设计最高能效系统时将省去很多工作。当然，就像艾默生环境优化技术一直以来的作风，我们将通过经验丰富的工程师和优越的系统设计软件为制造商提供完善的技术支持。



商用系列 >>

谷轮涡旋技术，比任何其他涡旋压缩机更为高效，轻松实现高系统效率和所需的系统容量。谷轮涡旋压缩机是最终用户市场中最佳的节能压缩机。





技术参数 >>

家用系列 >>

型号	相数	制冷量* ¹		输入功率 (W)	能效比		电压 (V)	频率 (Hz)	运行电流* ² (A)	冷媒	外观尺寸
		(Btu/hr)	(W)		(Btu/W×hr)	(W/W)					
谷轮常规柔性涡旋系列											
ZR22K3-PFJ	1	18200	5400	1730	10.50	3.1	220/240	50Hz	8.00	R22	P10
ZR22K3-TF5	3	18200	5400	1780	10.20	3.0	200/220	50Hz	6.50	R22	P10
ZR22K3-TFD	3	18200	5400	1770	10.30	3.1	380/420	50Hz	3.20	R22	P10
ZR24K3-PFJ	1	20200	6000	1920	10.50	3.1	220/240	50Hz	9.20	R22	P10
ZR24K3-TF5	3	20200	6000	1920	10.50	3.1	200/220	50Hz	7.10	R22	P10
ZR24K3-TFD	3	20200	6000	1920	10.50	3.1	380/420	50Hz	3.50	R22	P10
ZR26K3-PFJ	1	21700	6400	2010	10.80	3.2	220/240	50Hz	9.50	R22	P10
ZR26K3-TF5	3	21700	6400	2010	10.80	3.2	200/240	50Hz	7.40	R22	P10
ZR26K3-TFD	3	21700	6400	2010	10.80	3.2	380/420	50Hz	3.80	R22	P10
VR28KM-PFS	1	23000	6800	2020	11.40	3.4	220	50Hz	9.20	R22	P18
VR30KM-PFS	1	25000	7400	2190	11.40	3.4	220	50Hz	10.10	R22	P18
VR30KS-TFP	3	25000	7400	2230	11.20	3.3	380	50Hz	4.10	R22	P16
VR31KM-PFS	1	26600	7800	2370	11.20	3.3	220	50Hz	11.00	R22	P18
VR32KS-TFP	3	27000	8000	2410	11.20	3.3	380	50Hz	4.30	R22	P16
VR34KF-PFS	1	28200	8300	2560	11.00	3.2	220	50Hz	11.70	R22	P16
VR34KF-TFP	3	28200	8300	2560	11.00	3.2	380	50Hz	4.50	R22	P16
ZR36K3-PFJ	1	30200	8900	2720	11.10	3.3	220/240	50Hz	13.10	R22	P10
ZR36K3-TF5	3	30000	8800	2720	11.00	3.2	200/220	50Hz	12.00	R22	P10
ZR36K3-TFD	3	30200	8900	2700	11.20	3.3	380/420	50Hz	4.80	R22	P10
ZR36KH-TFD	3	30300	8900	2680	11.30	3.3	380/420	50Hz	4.70	R22	P11
ZR39KH-TFD	3	33600	9900	2950	11.40	3.4	380/420	50Hz	5.30	R22	P11
ZR39KH-PFJ	1	33600	9900	3000	11.20	3.3	220/240	50Hz	14.60	R22	P11
ZR40K3-PFJ	1	33300	9800	3000	11.10	3.3	220/240	50Hz	14.70	R22	P10
ZR40K3-TFD	3	33300	9800	2970	11.20	3.3	380/420	50Hz	5.30	R22	P10
ZR40K3-TF5	3	33000	9700	2990	11.00	3.2	200/220	50Hz	13.10	R22	P10
ZR42K3-PFJ	1	35000	10300	3150	11.10	3.3	220/240	50Hz	15.20	R22	P10
ZR42K3-TFD	3	35000	10300	3110	11.30	3.3	380/420	50Hz	5.50	R22	P10

备注:

*1:在ARI工况下测试得到的制冷量。

(ARI工况为:蒸发温度 7.2°C, 冷凝温度 54.4°C, 环境温度 35°C, 液体温度 46.1°C, 回气温度 18.3°C)

*2:在ARI工况下测试得到的运行电流:220V(单相)/380V(三相)。



家用系列 >>

型号	相数	制冷量 ^{*1}		输入功率 (W)	能效比		电压 (V)	频率 (Hz)	运行电流 ^{*2} (A)	冷媒	外观尺寸
		(Btu/hr)	(W)		(Btu/W×hr)	(W/W)					
ZR42K3-TF5	3	34600	10200	3130	11.10	3.3	200/220	50Hz	10.60	R22	P10
ZR45K3-PFJ	1	38200	11200	3380	11.30	3.3	220/240	50Hz	16.40	R22	P13
ZR45K3-TFD	3	37500	11000	3320	11.30	3.3	380/420	50Hz	5.90	R22	P13
ZR45K3-TF5	3	37500	11000	3320	11.30	3.3	200/220	50Hz	11.80	R22	P13
ZR45KC-TFD	3	37900	11200	3320	11.40	3.4	380/420	50Hz	6.10	R22	P13
ZR46K3-TF5	3	38100	11200	3440	11.10	3.3	200/220	50Hz	10.40	R22	P15
ZR46K3-TFD	3	38100	11200	3440	11.10	3.3	380/420	50Hz	6.00	R22	P15
ZR46KC-TF5	3	37600	11100	3390	11.10	3.3	200/220	50Hz	13.20	R22	P12
ZR46KC-TFD	3	37600	11100	3390	11.10	3.3	380/420	50Hz	6.90	R22	P12
ZR47K3-PFJ	1	39400	11600	3460	11.40	3.4	220/240	50Hz	16.80	R22	P14
ZR47K3-TFD	3	38800	11400	3430	11.30	3.3	380/420	50Hz	6.00	R22	P14
ZR47K3-TF5	3	38800	11400	3560	10.90	3.2	200/220	50Hz	12.90	R22	P14
ZR47KC-TFD	3	39400	11600	3430	11.50	3.4	380/420	50Hz	6.30	R22	P14
ZR47KC-TF5	3	39400	11600	3490	11.30	3.3	200/220	50Hz	13.80	R22	P14
VR48KS-TFP	3	40500	11900	3600	11.30	3.3	380	50Hz	6.10	R22	P19
VR54KS-TFP	3	45000	13200	3920	11.50	3.4	380	50Hz	7.40	R22	P19
VR57KF-TFP	3	47500	14000	4320	11.00	3.2	380	50Hz	9.10	R22	P19
VR57KS-TFP	3	47500	14000	4130	11.50	3.4	380	50Hz	7.75	R22	P19
ZR57KH-TFD	3	47800	14100	4190	11.40	3.4	380	50Hz	7.40	R22	P15
VR61KF-TFP	3	51000	15000	4630	11.00	3.2	380	50Hz	8.30	R22	P19
ZR61KH-TFD	3	51100	15000	4440	11.50	3.4	380/420	50Hz	7.80	R22	P15
ZR68KC-PFJ	1	57000	16800	5130	11.10	3.3	220/240	50Hz	24.50	R22	P12
ZR68KC-TF5	3	57500	16900	4960	11.60	3.4	200/220	50Hz	17.10	R22	P12
ZR68KC-TFD	3	57500	16900	4960	11.60	3.4	380/420	50Hz	8.60	R22	P12
ZR72KC-TF5	3	60500	17800	5180	11.70	3.4	200/220	50Hz	18.40	R22	P12
ZR72KC-TFD	3	60500	17800	5180	11.70	3.4	380/420	50Hz	8.80	R22	P12
ZR81KC-TF5	3	67500	19800	5960	11.30	3.3	200/220	50Hz	22.00	R22	P17
ZR81KC-TFD	3	68000	20000	5810	11.70	3.4	380/420	50Hz	10.50	R22	P17

备注:

*1:在ARI工况下测试得到的制冷量。

(ARI工况为:蒸发温度 7.2°C, 冷凝温度 54.4°C, 环境温度 35°C, 液体温度 46.1°C, 回气温度 18.3°C)

*2:在ARI工况下测试得到的运行电流:220V(单相)/380V(三相)。



家用系列 >>

型号	相数	制冷量* ¹		输入功率 (W)	能效比		电压 (V)	频率 (Hz)	运行电流* ² (A)	冷媒	外观尺寸
		(Btu/hr)	(W)		(Btu/W×hr)	(W/W)					
谷轮高效强热涡旋系列											
VRI28KM-PFS	1	23000	6800	2050	11.20	3.3	220	50Hz	9.50	R22	P21
VRI30KM-PFS	1	24800	7300	2220	11.20	3.3	220	50Hz	10.20	R22	P21
VRI30KS-TFP	3	25000	7400	2270	11.00	3.3	380	50Hz	4.30	R22	P20
VRI31KM-PFS	1	26500	7800	2390	11.10	3.3	220	50Hz	11.10	R22	P21
VRI34KF-PFS	1	28200	8300	2620	10.80	3.2	220	50Hz	11.90	R22	P20
VRI42KS-PFS	1	34600	10200	3120	11.10	3.3	220	50Hz	14.20	R22	P22
VRI52KS-TFP	3	43700	12900	3800	11.50	3.4	380	50Hz	6.80	R22	P22
VRI54KS-TFP	3	45000	13200	3980	11.30	3.3	380	50Hz	7.60	R22	P22
VRI57KF-TFP	3	47500	14000	4410	10.80	3.2	380	50Hz	9.10	R22	P22
VRI61KF-TFP	3	51000	15000	4600	11.10	3.3	380	50Hz	8.40	R22	P22
谷轮 R410A 新冷媒系列											
ZP16K5E-PFJ	1	12300	3700	1400	8.80	2.6	220/240	50Hz	6.55	R410A	P24
ZP20K5E-PFJ	1	16300	4800	1750	9.30	2.7	220/240	50Hz	8.10	R410A	P24
ZP21K5E-PFJ	1	17000	5000	1850	9.20	2.7	220/240	50Hz	8.50	R410A	P24
ZP24K5E-PFJ	1	19500	5800	2000	9.80	2.9	220/240	50Hz	9.20	R410A	P24
ZP24K5E-TF5	3	19400	5700	2020	9.60	2.8	200/220	50Hz	7.20	R410A	P24
ZP24K5E-TFD	3	19400	5700	2020	9.60	2.8	380/420	50Hz	3.60	R410A	P24
ZP25K5E-PFJ	1	20400	6000	2100	9.70	2.9	220/240	50Hz	9.70	R410A	P24
ZP25K5E-TF5	3	20400	6000	2120	9.60	2.8	200/220	50Hz	7.40	R410A	P24
ZP25K5E-TFD	3	20400	6000	2120	9.60	2.8	380/420	50Hz	3.75	R410A	P24
ZP28K5E-TF5	3	22700	6700	2280	10.00	2.9	200/220	50Hz	8.20	R410A	P24
ZP29K5E-PFJ	1	23200	6800	2380	9.70	2.9	220/240	50Hz	11.00	R410A	P24
ZP29K5E-TF5	3	23200	6800	2420	9.60	2.8	200/220	50Hz	8.80	R410A	P24
ZP29K5E-TFD	3	23200	6800	2420	9.60	2.8	380/420	50Hz	4.40	R410A	P24
ZP31K5E-PFJ	1	25000	7400	2630	9.50	2.8	220/240	50Hz	11.90	R410A	P24
ZP31K5E-TF5	1	25000	7400	2580	9.70	2.9	200/220	50Hz	9.50	R410A	P24
ZP31K5E-TFD	3	25000	7400	2580	9.70	2.9	380/420	50Hz	4.60	R410A	P24
ZP34K5E-TF5	3	28000	8300	2830	9.90	2.9	200/220	50Hz	10.40	R410A	P25

备注:

*1:在ARI工况下测试得到的制冷量。

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家用系列 >>

型号	相数	制冷量* ¹		输入功率 (W)	能效比		电压 (V)	频率 (Hz)	运行电流* ² (A)	冷媒	外观尺寸
		(Btu/hr)	(W)		(Btu/W×hr)	(W/W)					
ZP34K5E-TFD	3	28000	8300	2830	9.90	2.9	380/420	50Hz	5.20	R410A	P25
ZP36K5E-TF5	3	29300	8600	2940	10.00	2.9	200/220	50Hz	10.60	R410A	P25
ZP36K5E-TFD	3	29300	8600	2940	10.00	2.9	380/420	50Hz	5.50	R410A	P25
ZP38K5E-TF5	3	30300	8900	3060	9.90	2.9	200/220	50Hz	9.90	R410A	P25
ZP38K5E-TFD	3	30300	8900	3060	9.90	2.9	380/420	50Hz	5.20	R410A	P25
ZP39K5E-TF5	3	31600	9300	3150	10.00	3.0	200/220	50Hz	10.20	R410A	P25
ZP39K5E-TFD	3	31600	9300	3150	10.00	3.0	380/420	50Hz	5.30	R410A	P25
ZP42K5E-PFJ	1	35000	10300	3500	10.00	2.9	220/240	50Hz	15.70	R410A	P25
ZP42K5E-TF5	3	34200	10100	3380	10.10	3.0	200/220	50Hz	10.80	R410A	P25
ZP42K5E-TFD	3	34200	10100	3380	10.10	3.0	380/420	50Hz	5.60	R410A	P25
ZP51K5E-TF5	3	41500	12200	4040	10.30	3.0	200/220	50Hz	13.60	R410A	P25
ZP51K5E-TFD	3	41000	12100	3970	10.30	3.0	380/420	50Hz	6.95	R410A	P25
ZP54K5E-PFJ	1	44200	13000	4300	10.30	3.0	220/240	50Hz	20.70	R410A	P25
ZP54K5E-TF5	3	43400	12800	4220	10.30	3.0	200/220	50Hz	13.95	R410A	P25
ZP54K5E-TFD	3	44000	12900	4280	10.30	3.0	380/420	50Hz	7.00	R410A	P25
ZP57K3E-PFJ	1	47600	14000	4700	10.10	3.0	220/240	50Hz	24.00	R410A	P23
ZP57K3E-TF5	3	47500	14000	4610	10.30	3.0	200/220	50Hz	16.20	R410A	P23
ZP57K3E-TFD	3	47500	14000	4610	10.30	3.0	380/420	50Hz	8.50	R410A	P23
ZP61KCE-PFZ	1	50500	14800	4950	10.20	3.0	220/240	50Hz	23.30	R410A	P23
ZP61KCE-TF5	3	50000	14700	4750	10.50	3.1	200/220	50Hz	16.45	R410A	P23
ZP61KCE-TFD	3	50000	14700	4750	10.50	3.1	380/420	50Hz	8.30	R410A	P23
ZP67KCE-PFZ	1	55000	16200	5450	10.10	3.0	220/240	50Hz	25.70	R410A	P23
ZP67KCE-TF5	3	55000	16200	5200	10.60	3.1	200/220	50Hz	18.00	R410A	P23
ZP67KCE-TFD	3	55000	16200	5200	10.60	3.1	380/420	50Hz	9.10	R410A	P23
ZP72KCE-TF5	3	59000	17300	5700	10.40	3.0	200/220	50Hz	21.50	R410A	P23
ZP72KCE-TFD	3	58500	17200	5650	10.40	3.0	280/420	50Hz	9.70	R410A	P23
ZP83KCE-TFD	3	68000	20000	6400	10.60	3.1	380	50Hz	11.70	R410A	P23

备注:

*1: 在ARI工况下测试得到的制冷量。

(ARI工况为: 蒸发温度 7.2°C, 冷凝温度 54.4°C, 环境温度 35°C, 液体温度 46.1°C, 回气温度 18.3°C)

*2: 在ARI工况下测试得到的运行电流: 220V(单相)/380V(三相)。



商用系列 >>

型号	相数	制冷量 ^{*1}		输入功率 (W)	能效比		电压 (V)	频率 (Hz)	运行电流 ^{*2} (A)	冷媒	外观尺寸
		(Btu/hr)	(W)		(Btu/W×hr)	(W/W)					
谷轮常规柔性涡旋系列											
VR84KS-TFP	3	71000	20900	6000	11.80	3.5	380	50Hz	11.90	R22	P26
VR94KS-TFP	3	79500	23300	6750	11.80	3.5	380	50Hz	12.50	R22	P26
VR108KS-TFP	3	90000	26400	7550	11.90	3.5	380	50Hz	13.70	R22	P28
VR125KS-TFP	3	106000	31100	9000	11.80	3.5	380	50Hz	15.80	R22	P28
VR144KS-TFP	3	120000	35200	10100	11.90	3.5	380	50Hz	17.60	R22	P28
VR160KS-TFP	3	130000	38100	11300	11.50	3.4	380	50Hz	20.20	R22	P27
VR190KS-TFP	3	155000	45500	13600	11.40	3.3	380	50Hz	25.60	R22	P27
VR84KSE-TFP	3	68000	20000	6100	11.10	3.3	380	50Hz	11.35	R407C	P26
VR94KSE-TFP	3	76000	22300	6900	11.00	3.2	380	50Hz	12.75	R407C	P26
VR108KSE-TFP	3	87000	25500	7500	11.60	3.4	380	50Hz	13.70	R407C	P28
VR125KSE-TFP	3	102000	29900	8950	11.40	3.3	380	50Hz	16.05	R407C	P28
VR144KSE-TFP	3	116000	34000	10200	11.40	3.3	380	50Hz	17.95	R407C	P28
VR160KSE-TFP	3	128000	37600	11450	11.20	3.3	380	50Hz	20.45	R407C	P27
VR190KSE-TFP	3	150000	44000	13650	11.00	3.2	380	50Hz	26.45	R407C	P27
谷轮高效强热涡旋系列											
VRI94KS-TFP	3	79500	23300	6760	11.80	3.4	380	50Hz	12.70	R22	P29
VRI108KS-TFP	3	90000	26400	7600	11.80	3.5	380	50Hz	13.80	R22	P30
VRI125KS-TFP	3	105500	31000	8900	11.90	3.5	380	50Hz	15.80	R22	P30
VRI144KS-TFP	3	120000	35200	10100	11.90	3.5	380	50Hz	17.45	R22	P30
谷轮R410A新冷媒系列											
ZP90KCE-TFD	3	74500	21900	6950	10.70	3.2	380	50Hz	12.30	R410A	P32
ZP103KCE-TFD	3	86000	25200	7800	11.00	3.2	380	50Hz	13.65	R410A	P33
ZP120KCE-TFD	3	100000	29300	9110	11.00	3.2	380	50Hz	16.60	R410A	P33
ZP137KCE-TFD	3	111000	32600	10200	10.90	3.2	380	50Hz	17.80	R410A	P33
ZP154KCE-TFD	3	127000	37300	11600	10.90	3.2	380	50Hz	20.75	R410A	P31
ZP182KCE-TFD	3	150000	44000	13500	11.10	3.3	380	50Hz	25.70	R410A	P31

备注:

*1:在ARI工况下测试得到的制冷量。

(ARI工况为:蒸发温度 7.2°C, 冷凝温度 54.4°C, 环境温度 35°C, 液体温度 46.1°C, 回气温度 18.3°C)

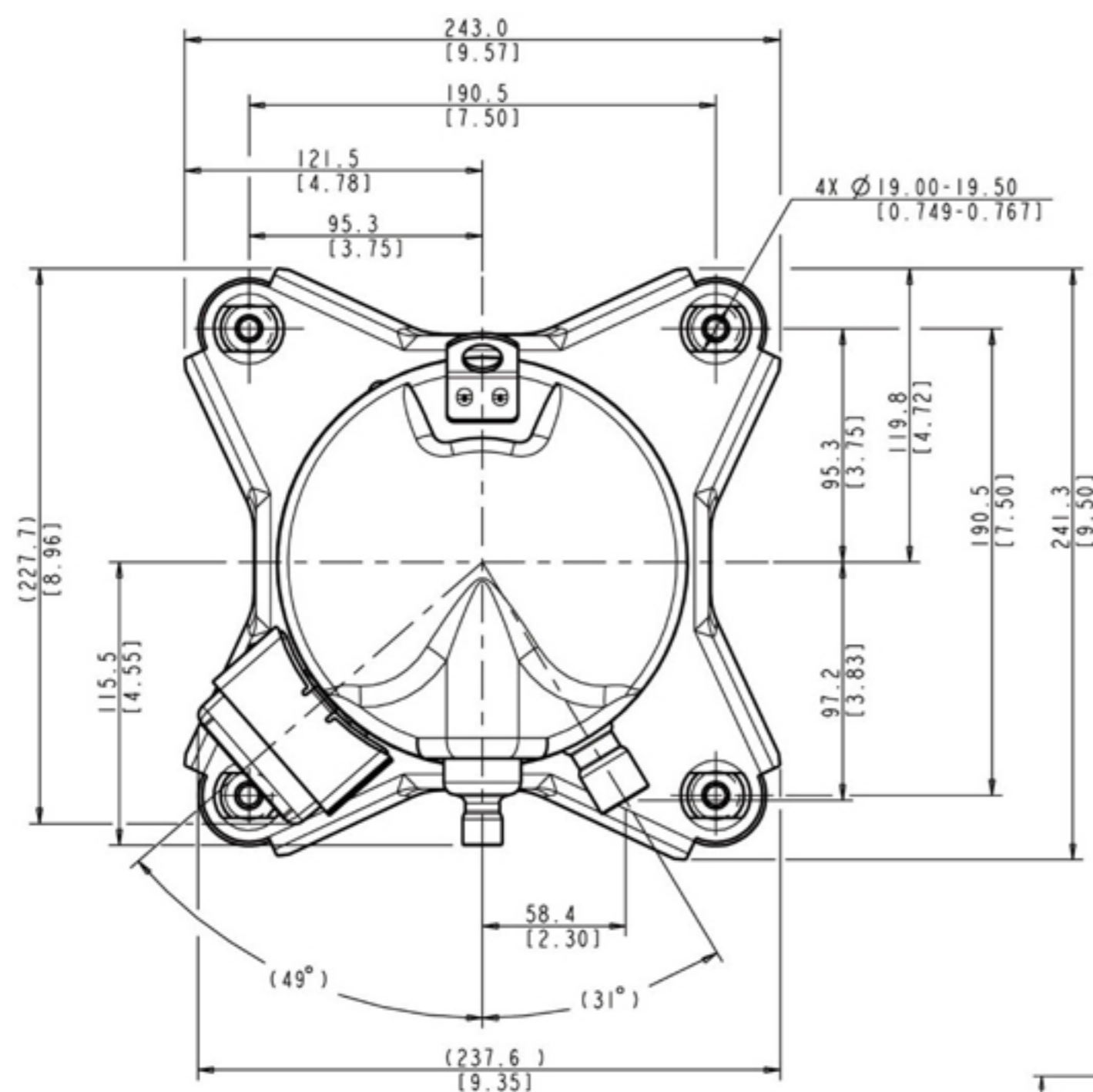
*2:在ARI工况下测试得到的运行电流:220V(单相)/380V(三相)。



尺寸规格 >>

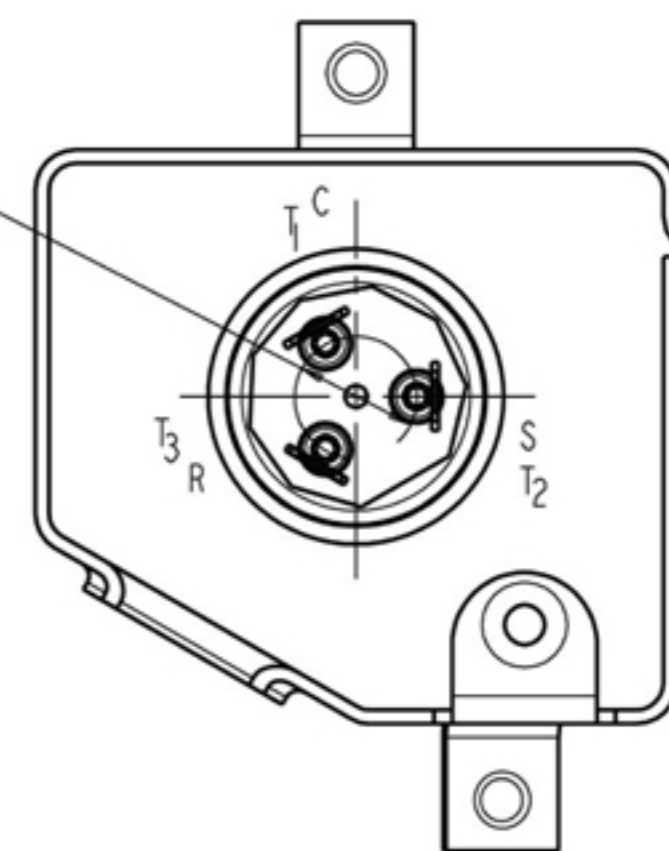
家用系列 >> 谷轮常规柔性涡旋系列

型号名	A±3.0	B	C	D±3.0	∅E	型号名	A±3.0	B	C	D±3.0	∅E	型号名	A±3.0	B	C	D±3.0	∅E
ZR22K3-PFJ	363.8 [14.32]	338.3 [13.32]	244.5 [9.63]	202.9 [7.99]	13.46 [0.530]	ZR26K3-PFJ	363.8 [14.32]	338.3 [13.32]	244.5 [9.63]	202.9 [7.99]	13.46 [0.530]	ZR40K3-PFJ	400.2 [15.76]	374.6 [14.75]	277.1 [10.91]	235.5 [9.27]	13.46 [0.530]
ZR22K3-TF5	363.8 [14.32]	338.3 [13.32]	244.5 [9.63]	202.9 [7.99]	13.46 [0.530]	ZR26K3-TF5	363.8 [14.32]	338.3 [13.32]	244.5 [9.63]	202.9 [7.99]	13.46 [0.530]	ZR40K3-TFD	400.2 [15.76]	374.6 [14.75]	277.1 [10.91]	235.5 [9.27]	17.45 [0.687]
ZR22K3-TFD	363.8 [14.32]	338.3 [13.32]	244.5 [9.63]	202.9 [7.99]	17.45 [0.687]	ZR26K3-TFD	363.8 [14.32]	338.3 [13.32]	244.5 [9.63]	202.9 [7.99]	17.45 [0.687]	ZR40K3-TF5	400.2 [15.76]	374.6 [14.75]	277.1 [10.91]	235.5 [9.27]	13.46 [0.530]
ZR24K3-PFJ	363.8 [14.32]	338.3 [13.32]	244.5 [9.63]	202.9 [7.99]	13.46 [0.530]	ZR36K3-PFJ	386.4 [15.21]	360.9 [14.21]	264.4 [10.41]	222.8 [8.77]	13.46 [0.530]	ZR42K3-PFJ	400.2 [15.76]	374.6 [14.75]	277.1 [10.91]	235.5 [9.27]	13.46 [0.530]
ZR24K3-TF5	363.8 [14.32]	338.3 [13.32]	244.5 [9.63]	202.9 [7.99]	17.45 [0.687]	ZR36K3-TF5	386.4 [15.21]	360.9 [14.21]	264.4 [10.41]	222.8 [8.77]	13.46 [0.530]	ZR42K3-TFD	400.2 [15.76]	374.6 [14.75]	277.1 [10.91]	235.5 [9.27]	17.45 [0.687]
ZR24K3-TFD	363.8 [14.32]	338.3 [13.32]	244.5 [9.63]	202.9 [7.99]	17.45 [0.687]	ZR36K3-TFD	386.4 [15.21]	360.9 [14.21]	264.4 [10.41]	222.8 [8.77]	17.45 [0.687]	ZR42K3-TF5	400.2 [15.76]	374.6 [14.75]	277.1 [10.91]	235.5 [9.27]	13.46 [0.530]

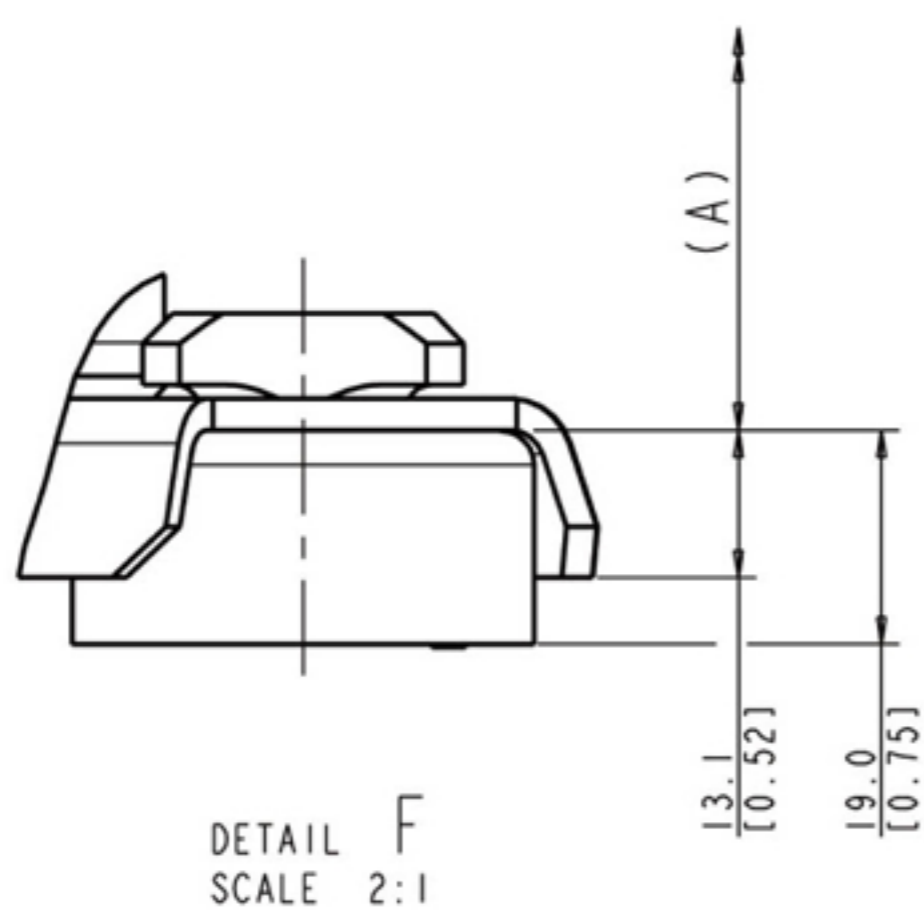


∅13.46 PIN CIRCLE
[0.530]
MODELS: PFV, PFJ, TF5

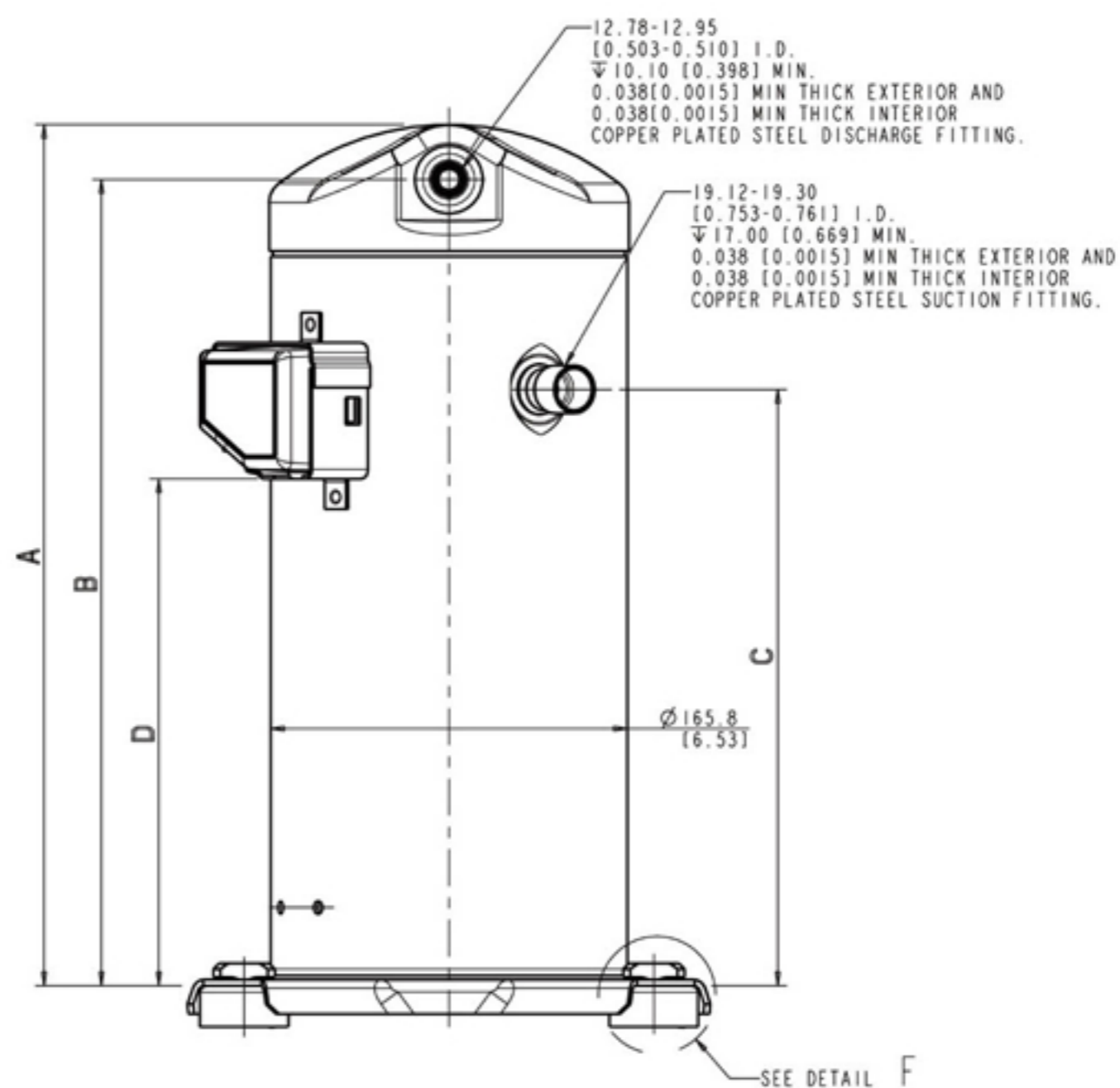
∅17.45 PIN CIRCLE
[0.687]
MODELS: TFD, TFE, TF7



T' BOX LAYOUT
STANDARD
SCALE 2:1



DETAIL F
SCALE 2:1



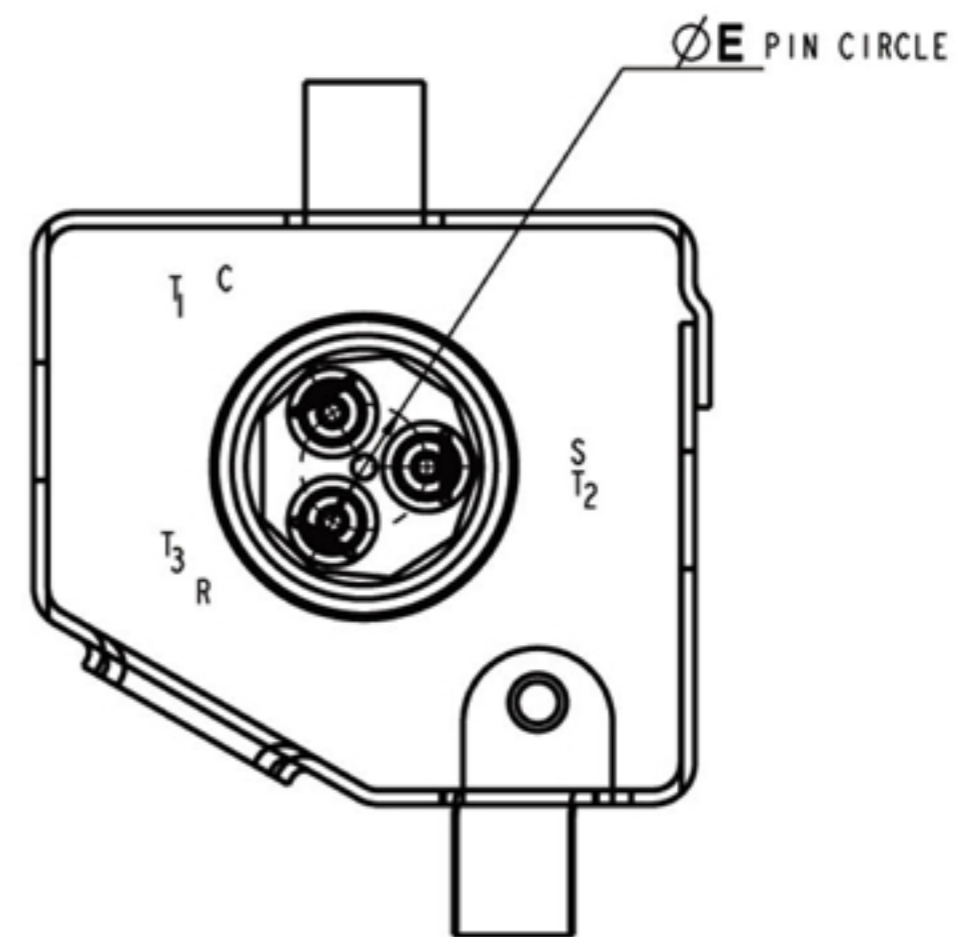
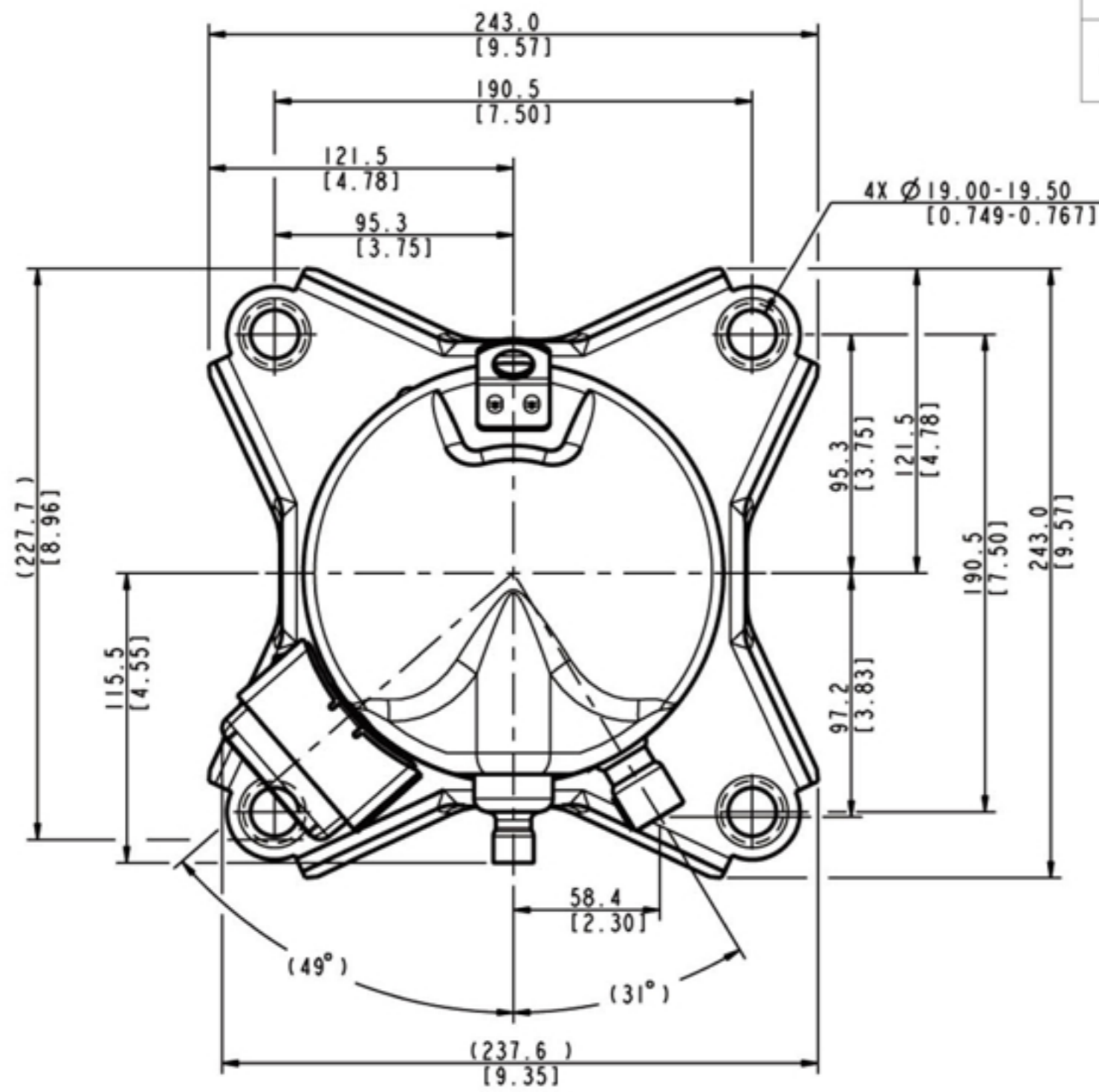
SEE DETAIL F



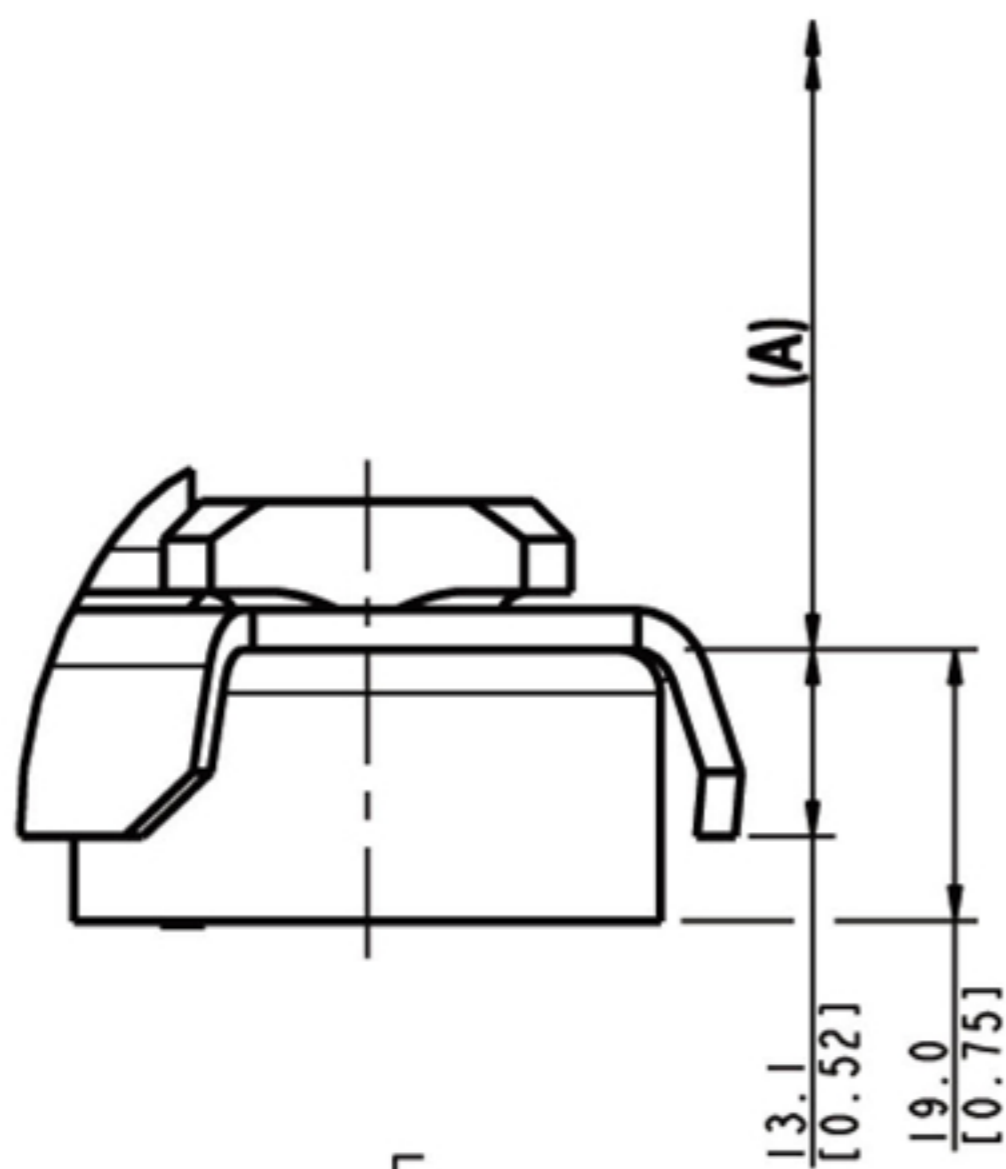
尺寸规格 >>

家用系列 >> 谷轮常规柔性涡旋系列

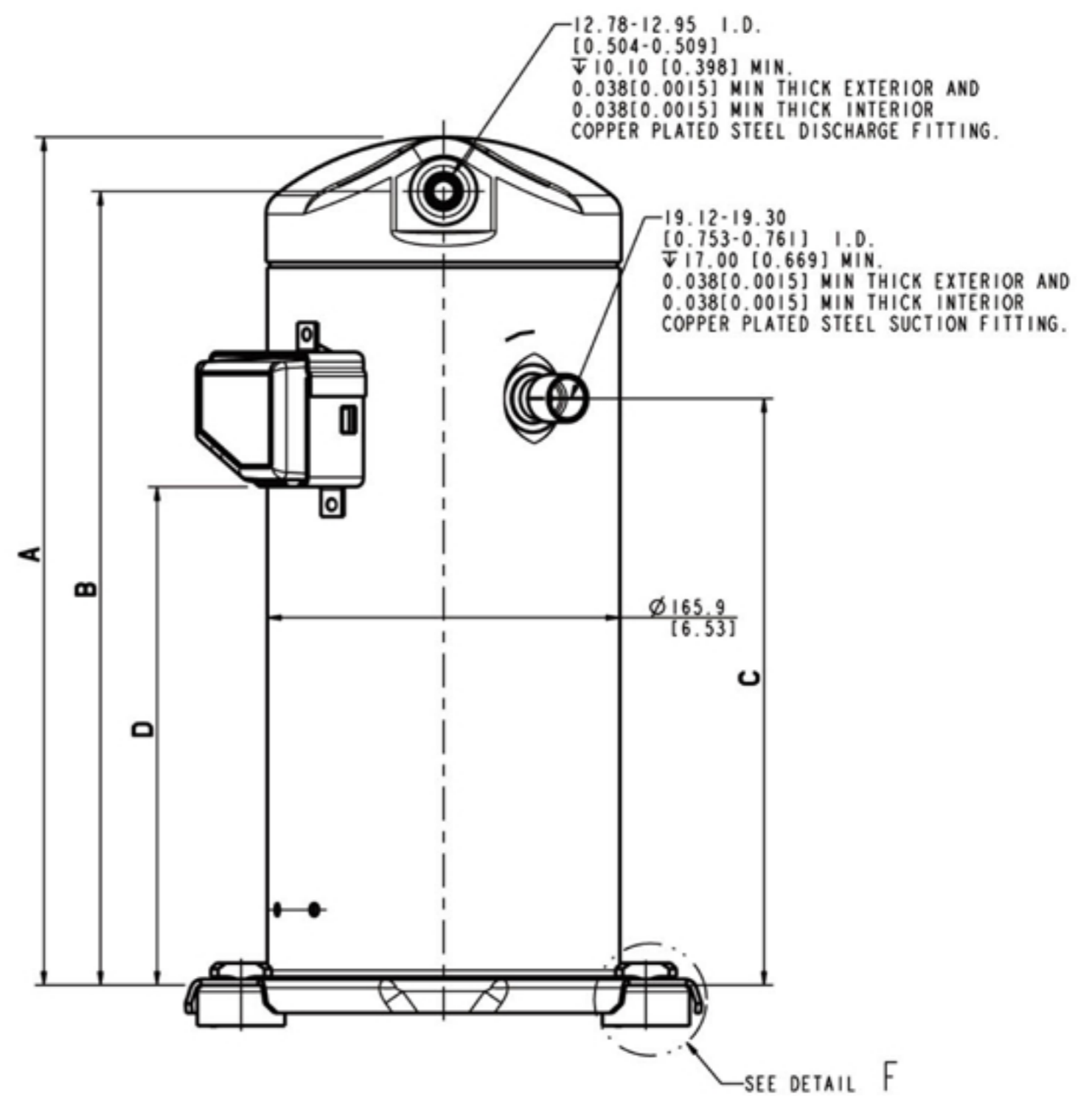
型号名	A±3.0	B	C	D±3.0	∅E
ZR36KH-TFD	400.2 [15.76]	374.6 [14.75]	277.1 [10.92]	235.1 [9.26]	17.45 [0.687]
ZR39KH-TFD	417.3 [16.43]	391.7 [15.42]	294.2 [11.58]	252.0 [9.92]	17.45 [0.687]
ZR39KH-PFJ	417.3 [16.43]	391.7 [15.42]	294.2 [11.58]	252.0 [9.92]	17.45 [0.687]



T-BOX LAYOUT
STANDARD
SCALE 2:1



DETAIL F
SCALE 2:1

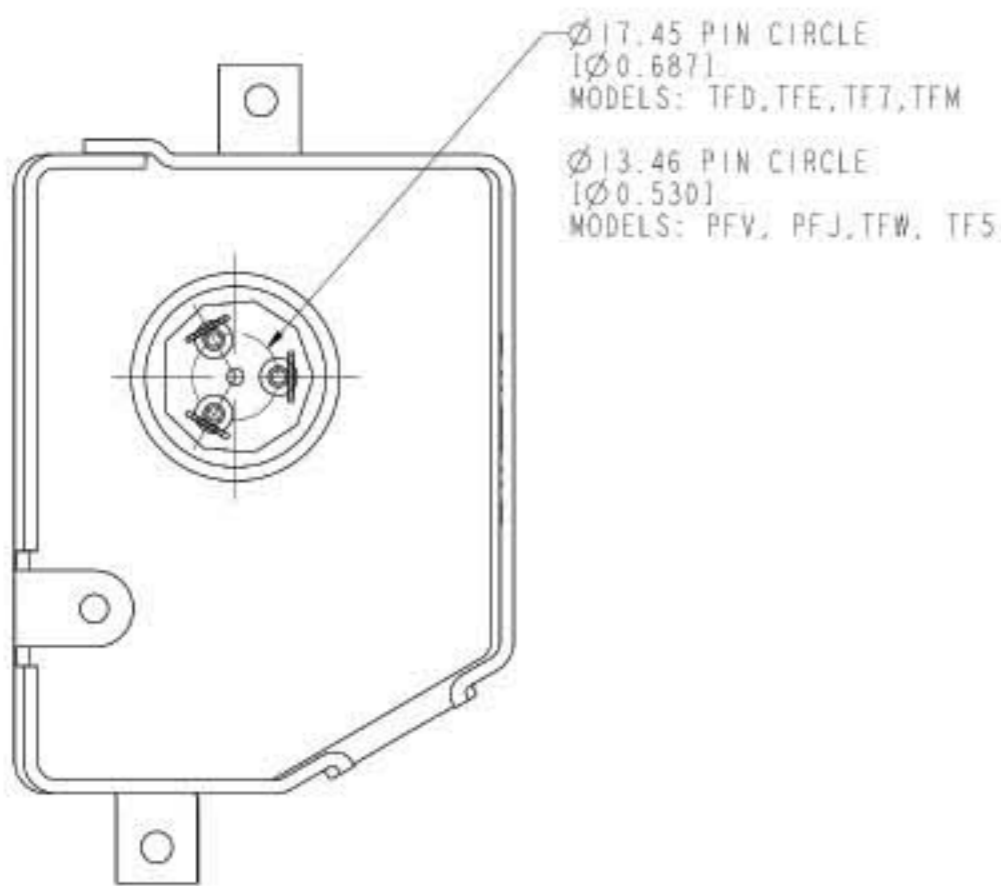
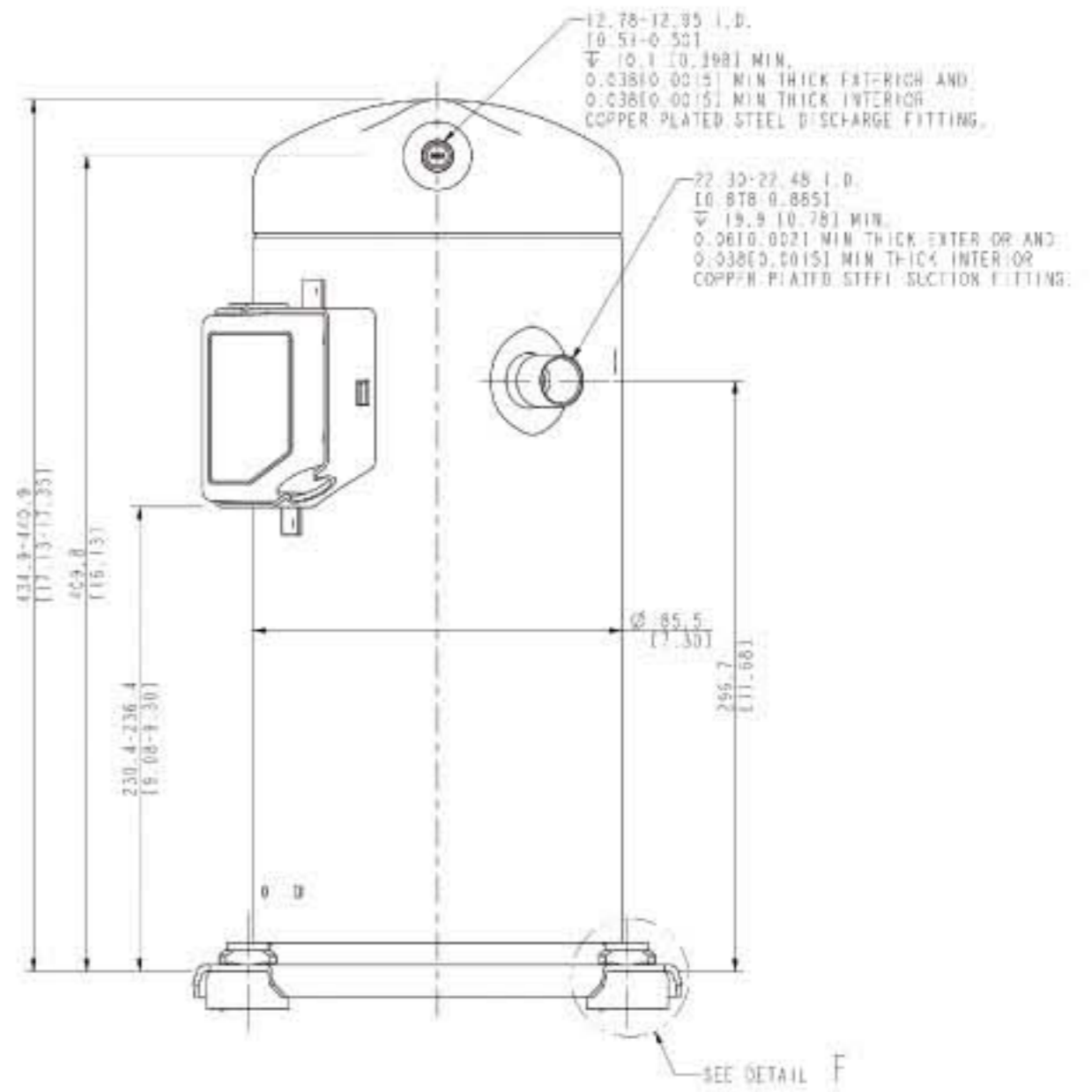
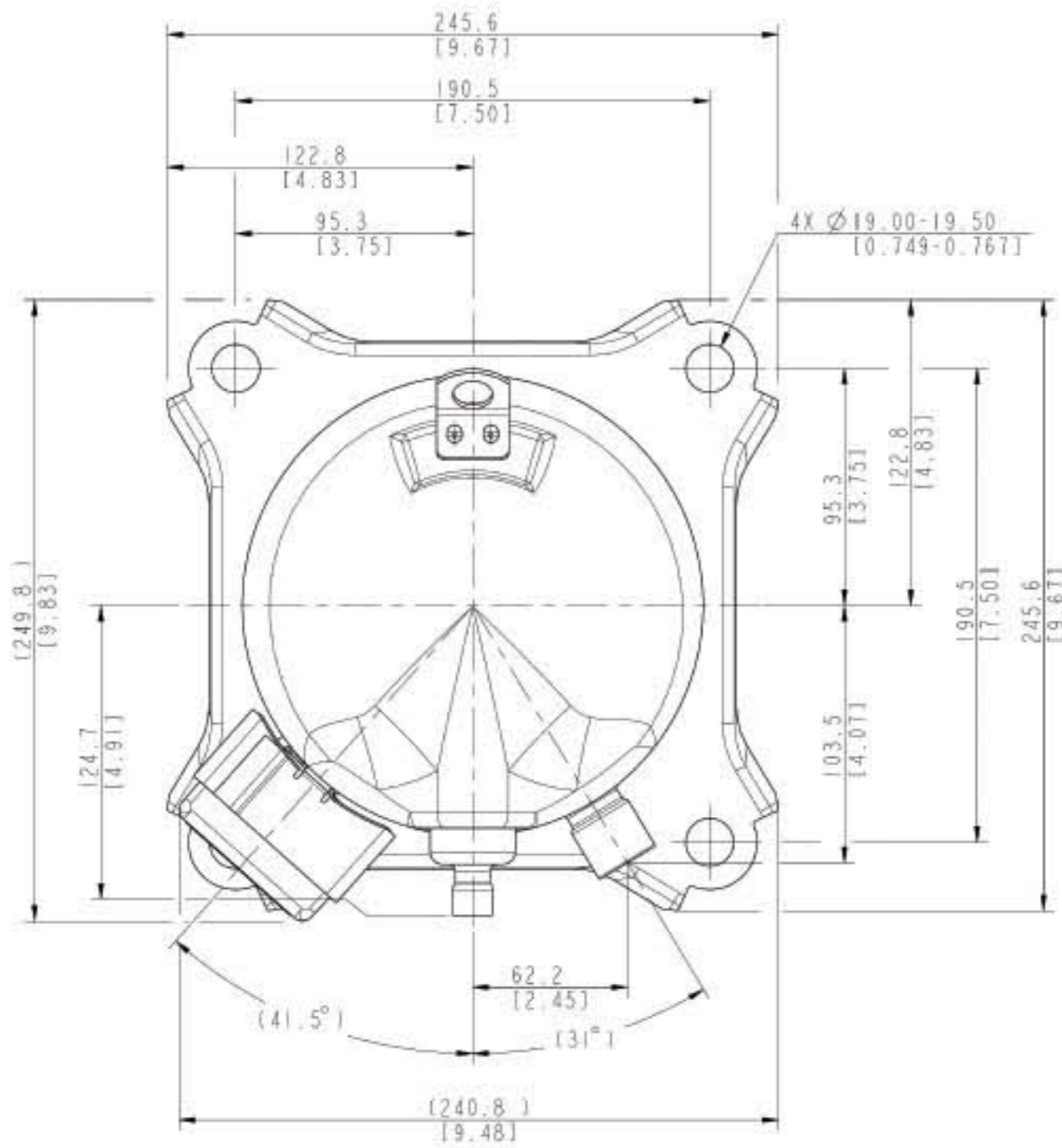




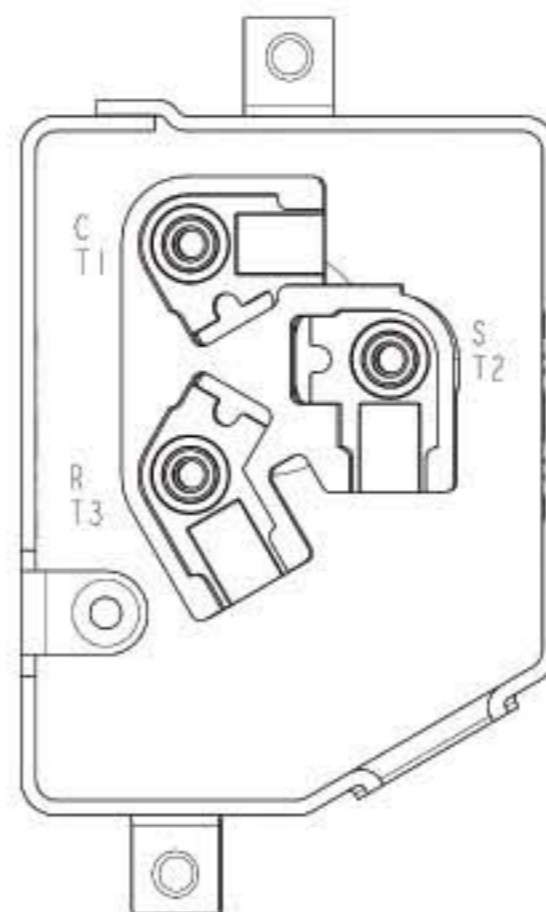
尺寸规格 >>

家用系列 >> 谷轮常规柔性涡旋系列

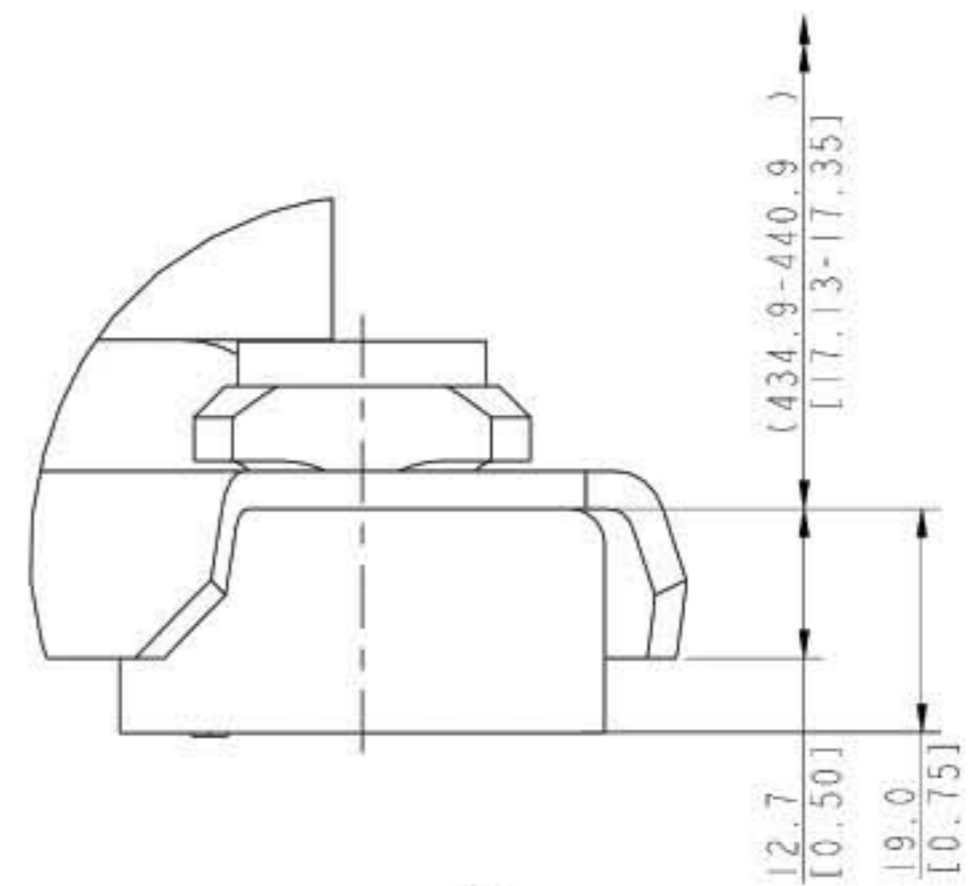
型号名	∅ A	型号名	∅ A
ZR46KC-TF5	13.46 [0.530]	ZR68KC-TFD	17.45 [0.687]
ZR46KC-TFD	17.45 [0.687]	ZR72KC-TF5	13.46 [0.530]
ZR68KC-PFJ	13.46 [0.530]	ZR72KC-TFD	17.45 [0.687]
ZR68KC-TF5	13.46 [0.530]		



T BOX LAYOUT
STANDARD
SCALE 3:2



T BOX LAYOUT
OPTIONAL
SCALE 3:2



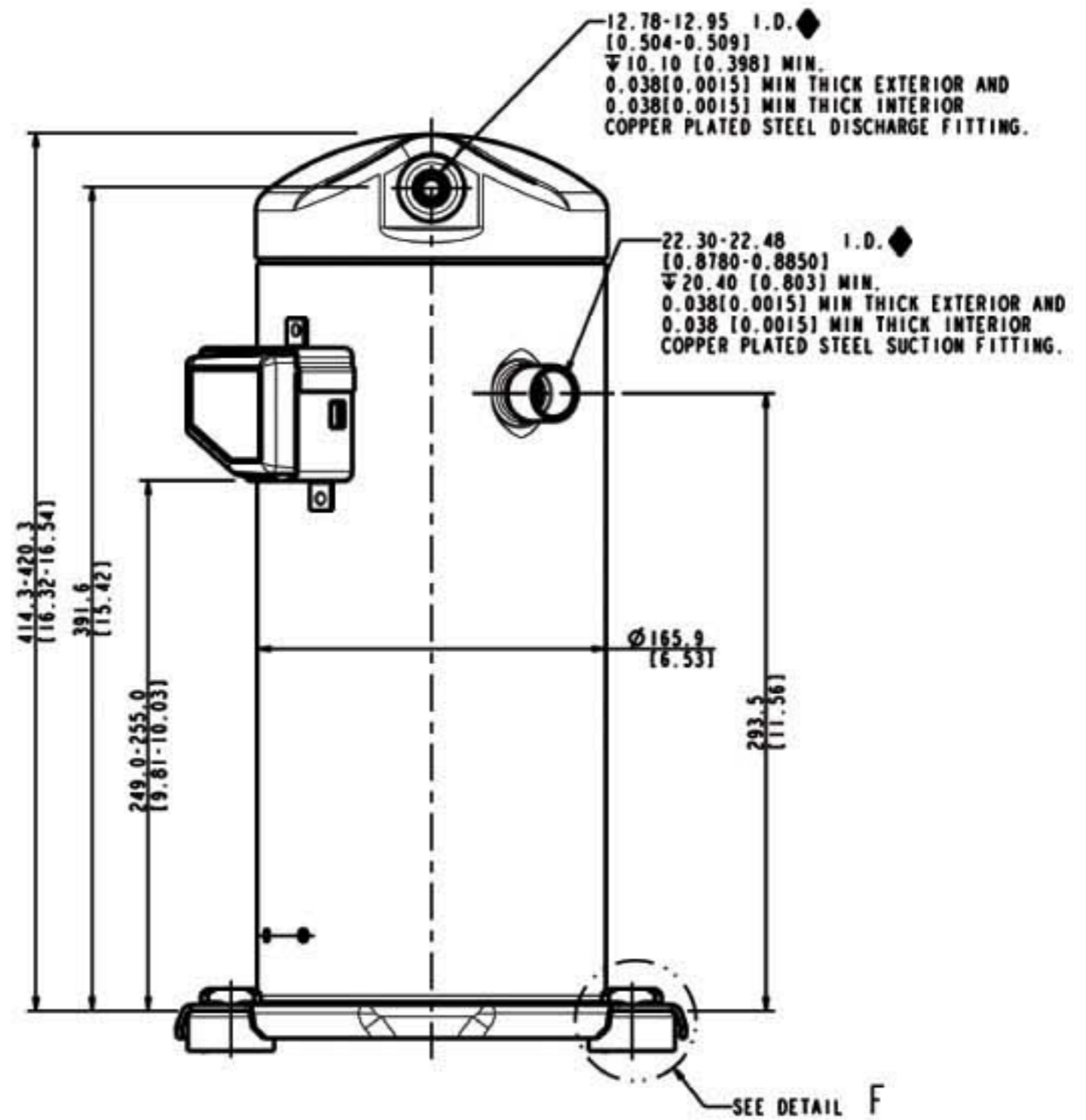
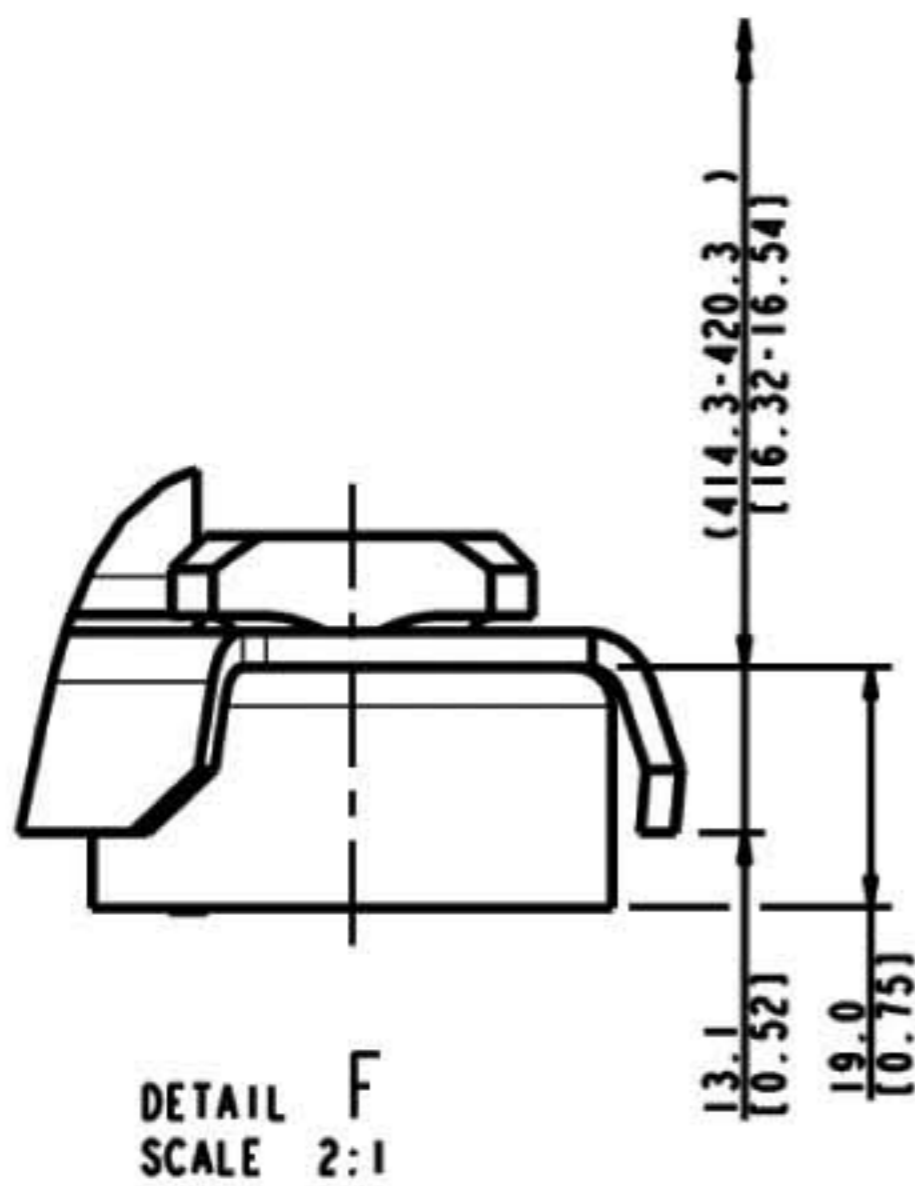
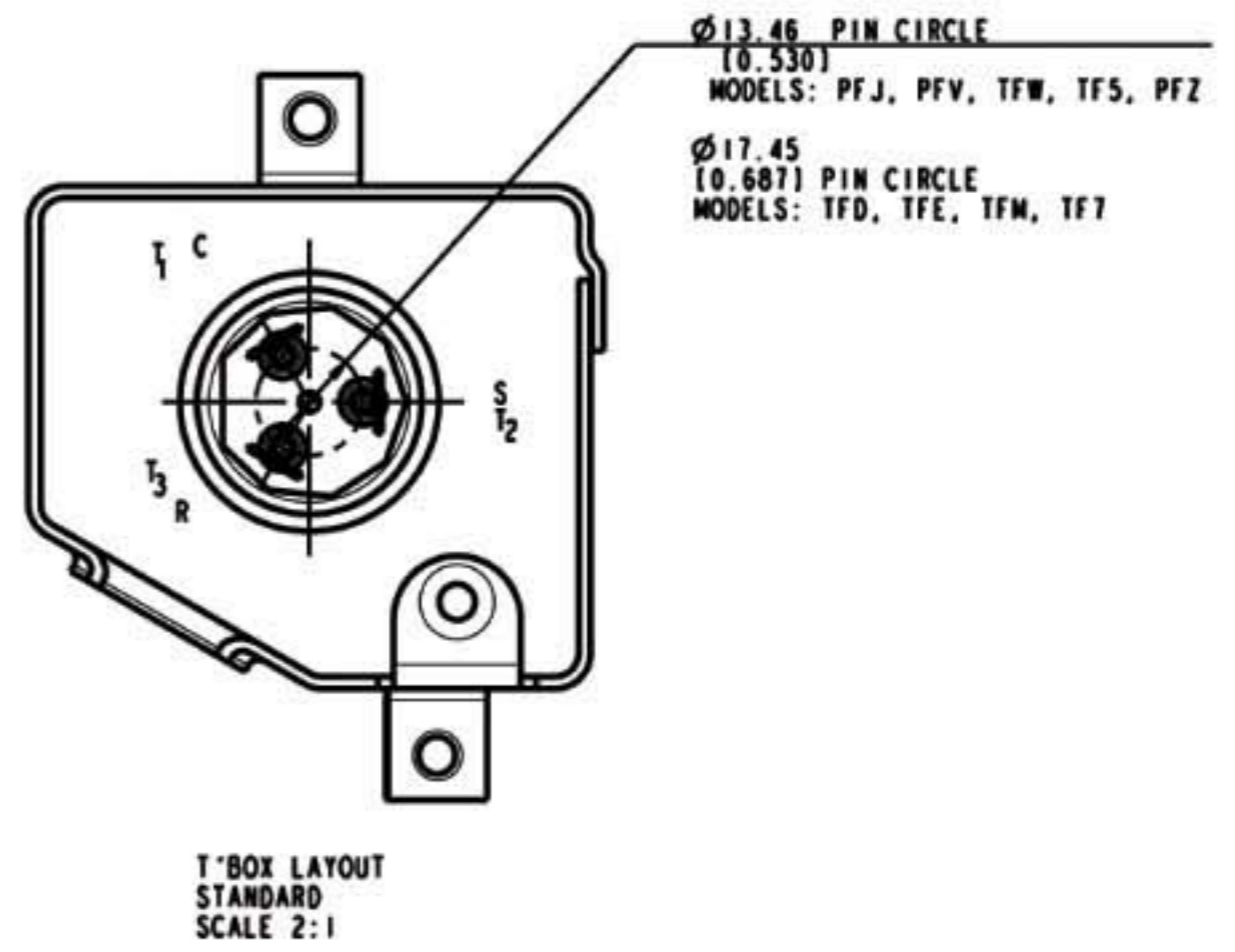
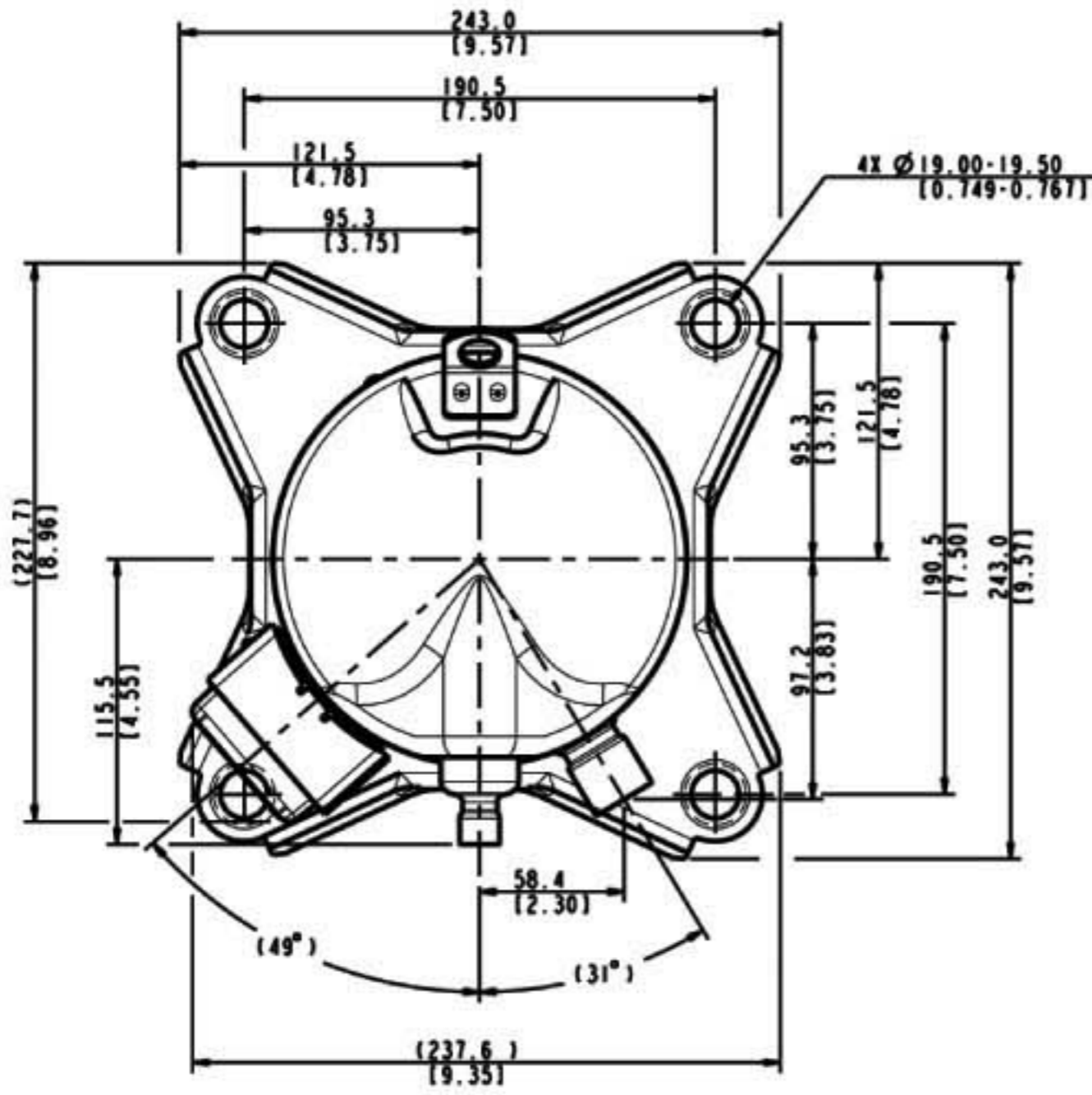
DETAIL F
SCALE 2:1



尺寸规格 >>

家用系列 >> 谷轮常规柔性涡旋系列

型号名	∅ A
ZR45K3-PFJ	13.46 [0.530]
ZR45K3-TFD	13.46 [0.530]
ZR45K3-TF5	13.46 [0.530]
ZR45KC-TFD	17.45 [0.687]

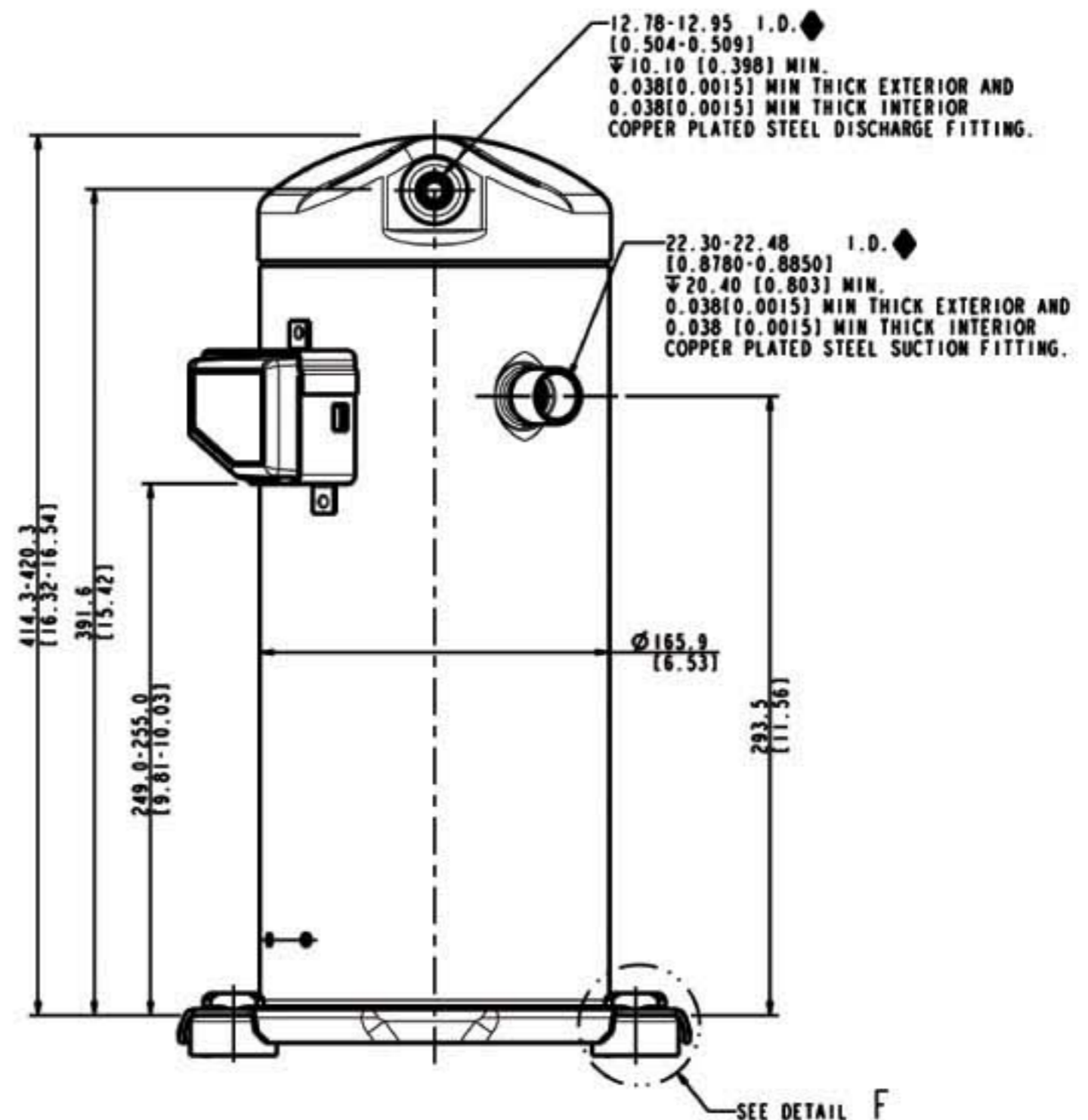
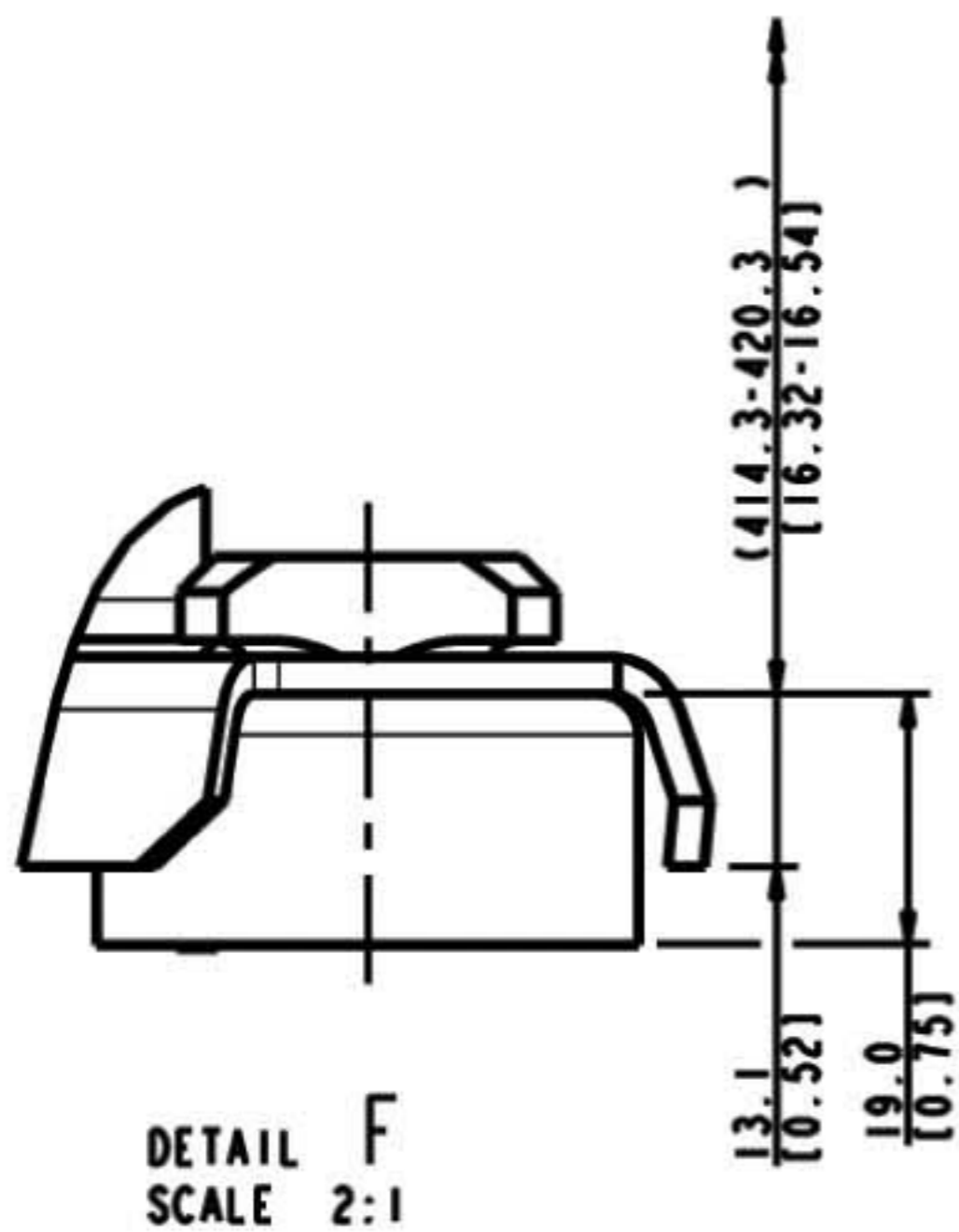
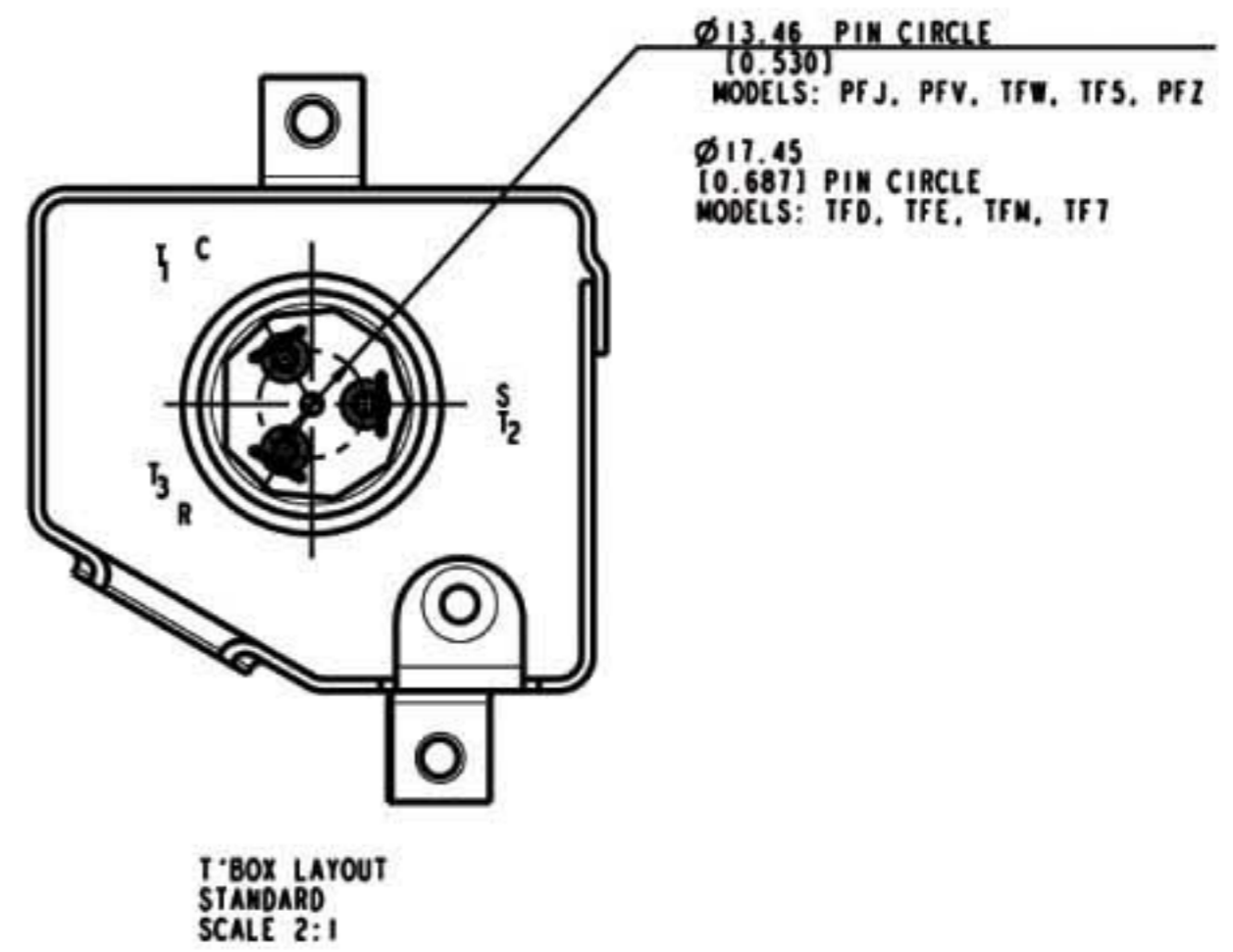
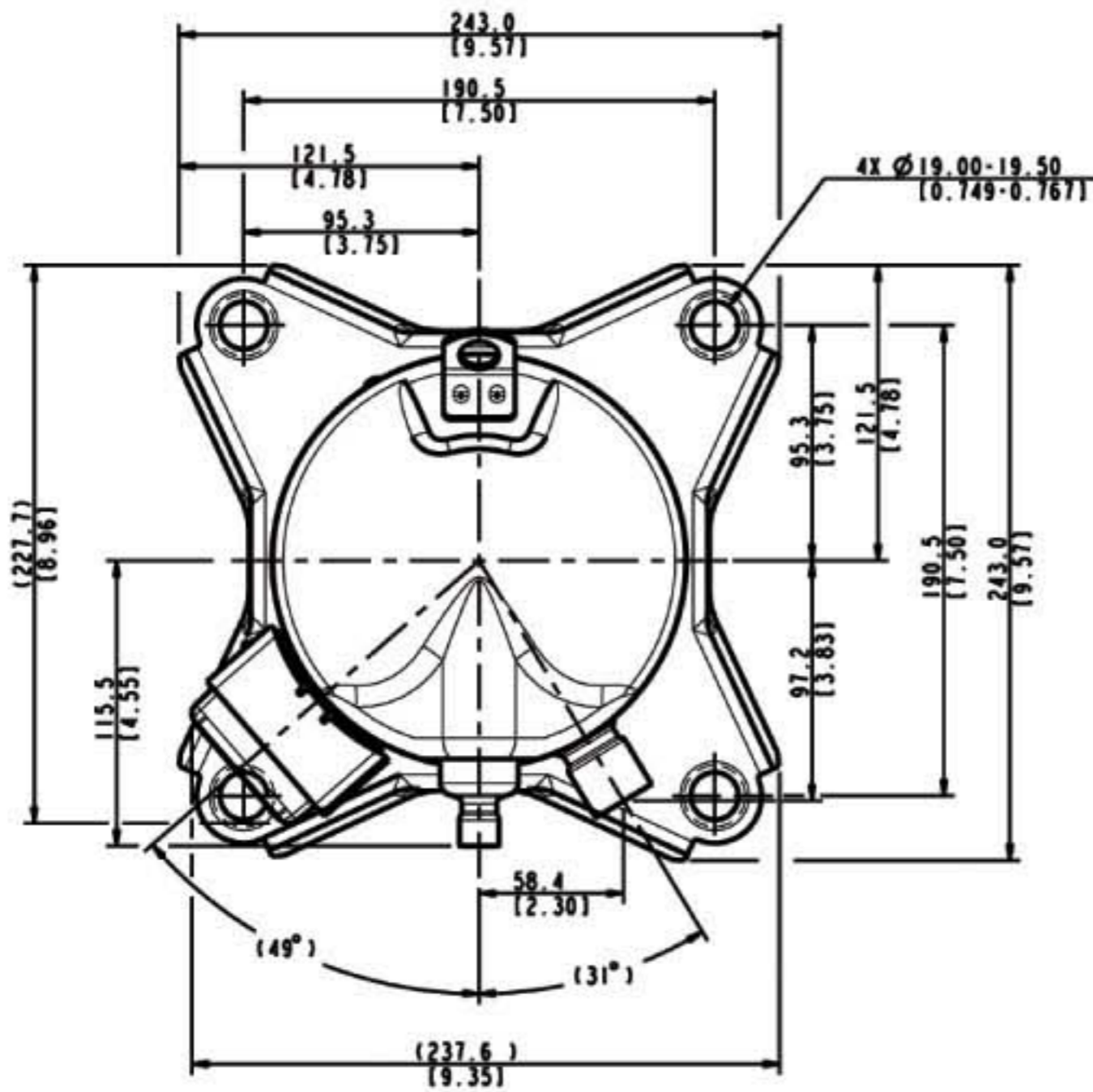




尺寸规格 >>

家用系列 >> 谷轮常规柔性涡旋系列

型号名	∅ A
ZR47K3-PFJ	13.46 [0.530]
ZR47K3-TFD	13.46 [0.530]
ZR47K3-TF5	13.46 [0.530]
ZR47KC-TFD	13.46 [0.530]
ZR47KC-TF5	13.46 [0.530]

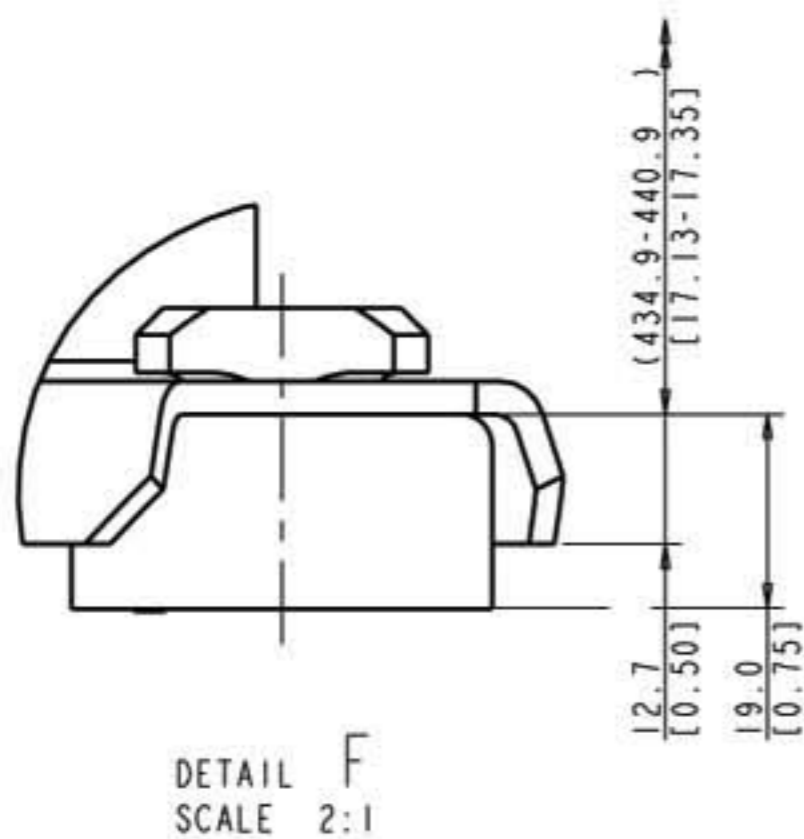
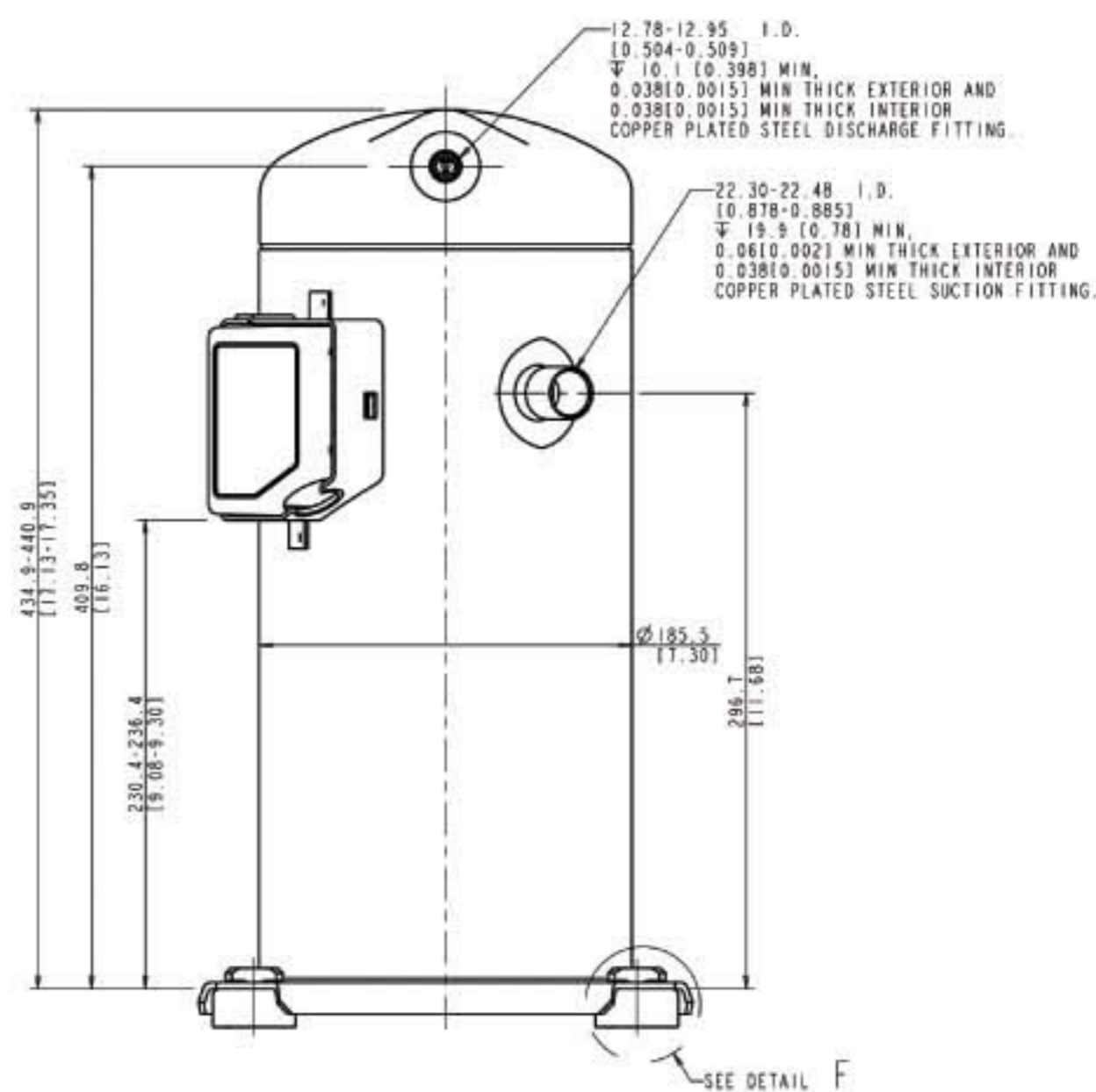
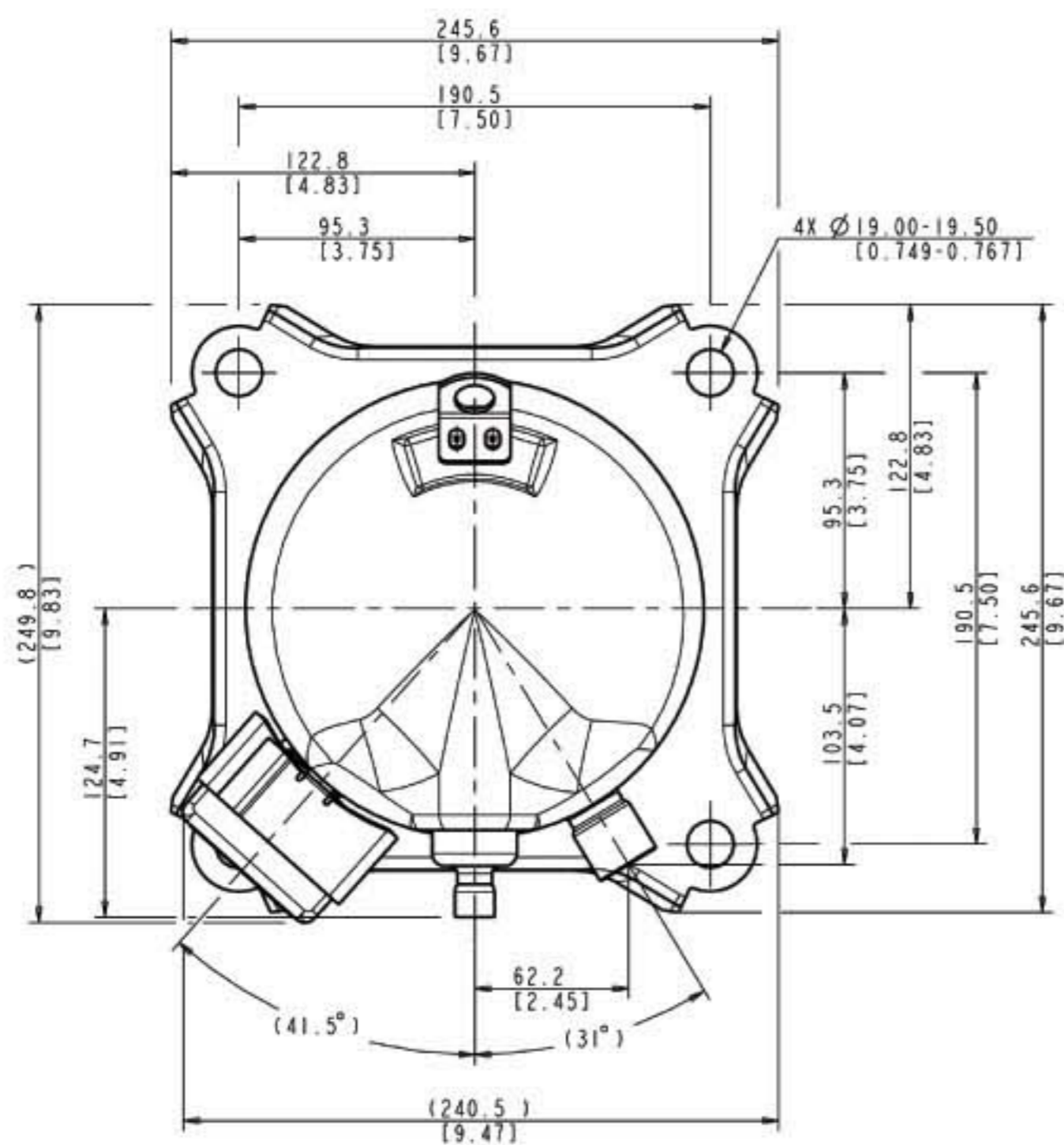




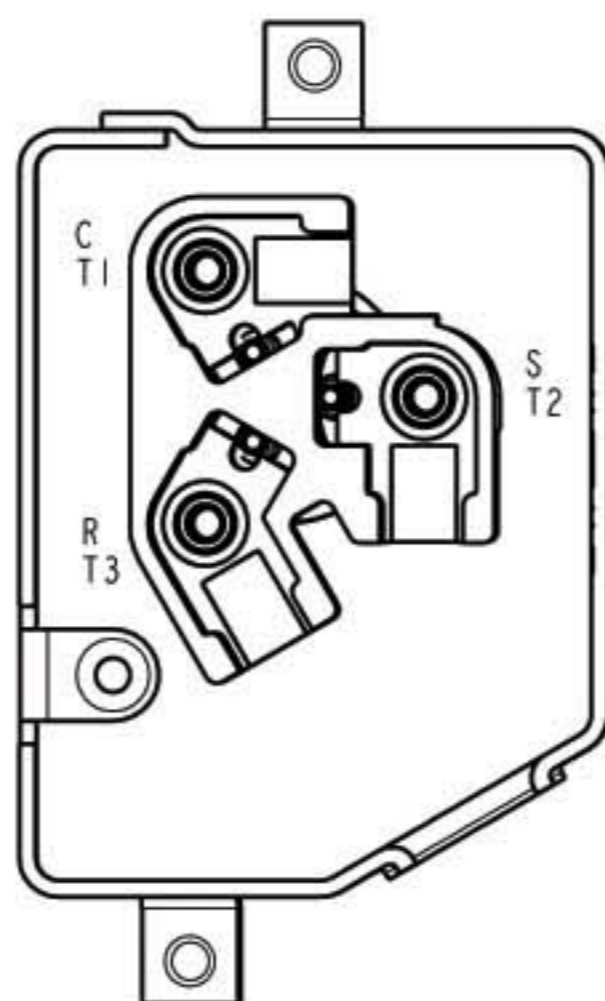
尺寸规格 >>

家用系列 >> 谷轮常规柔性涡旋系列

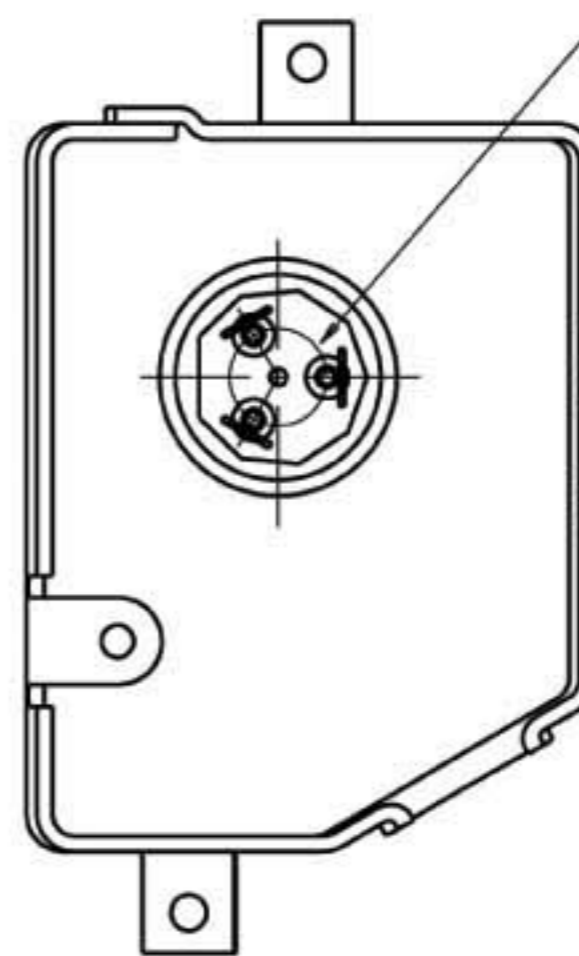
型号名	∅ A
ZR46K3-TF5	13.46 [0.530]
ZR46K3-TFD	17.45 [0.687]
ZR57KH-TFD	17.45 [0.687]
ZR61KH-TFD	17.45 [0.687]



DETAIL F
SCALE 2:1



T' BOX LAYOUT
OPTIONAL
SCALE 3:2



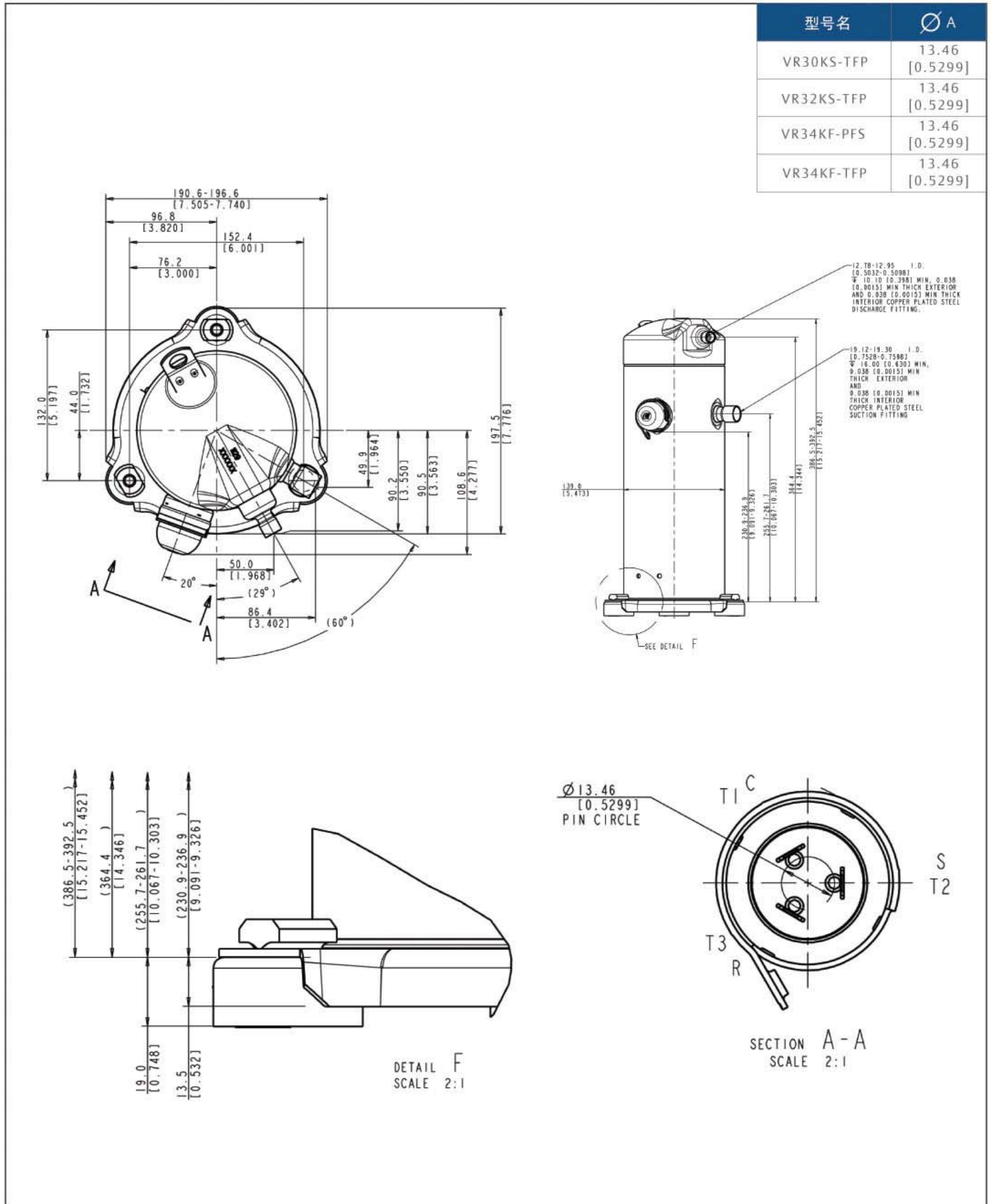
T' BOX LAYOUT
STANDARD
SCALE 3:2

∅17.45 PIN CIRCLE
[0.687]
MODELS: TFD, TFE, TFM, TF7
∅13.46 PIN CIRCLE
[0.530]
MODELS: PFV, PFJ, TFW, TF5



尺寸规格 >>

家用系列 >> 谷轮常规柔性涡旋系列

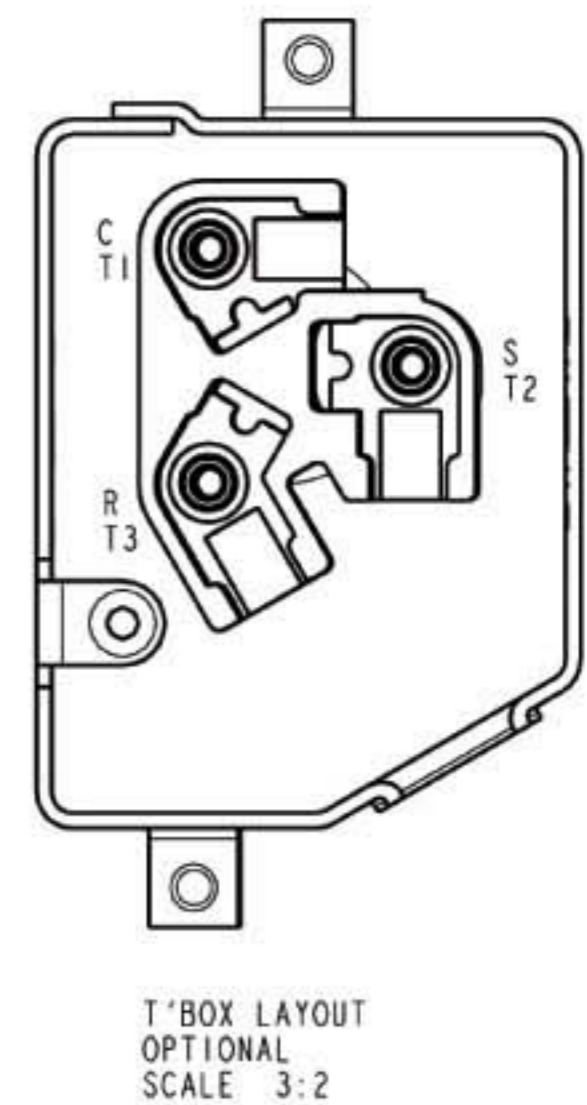
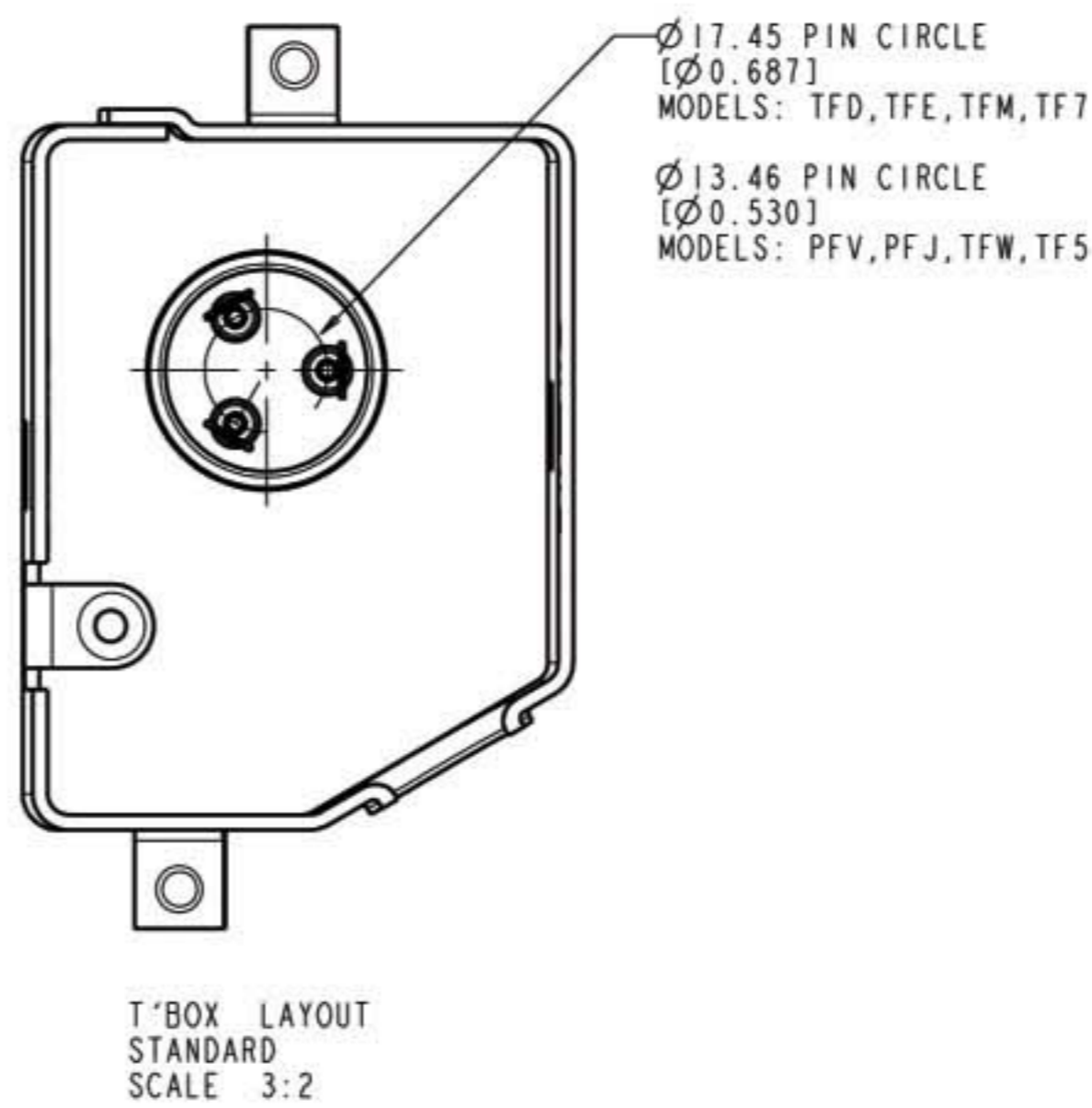
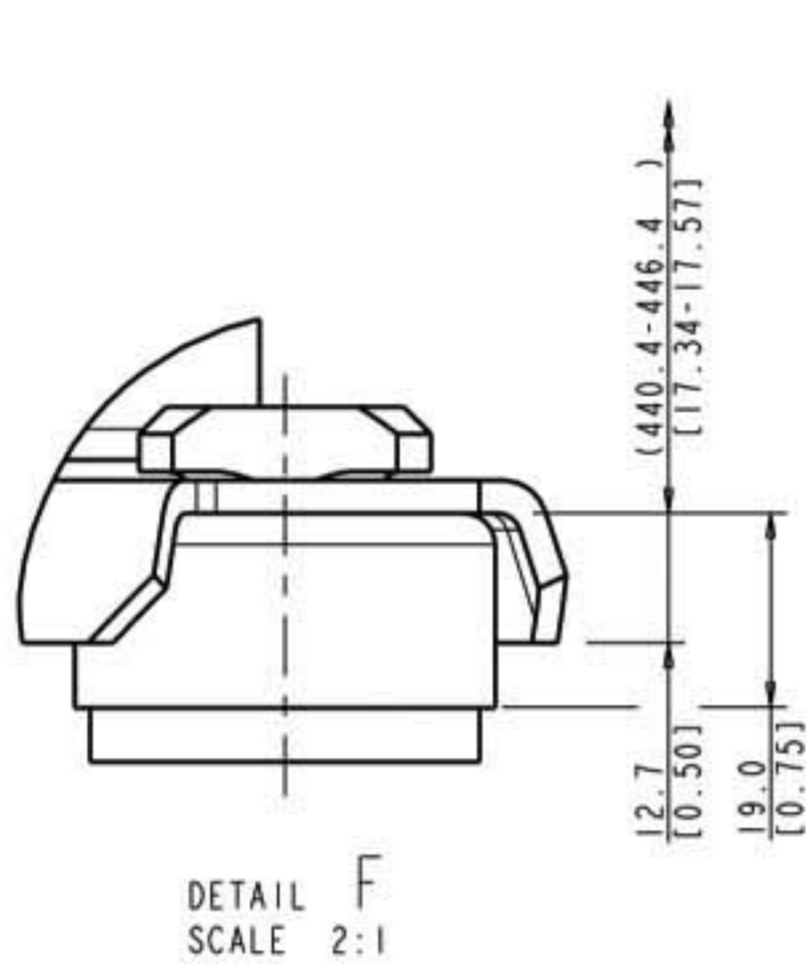
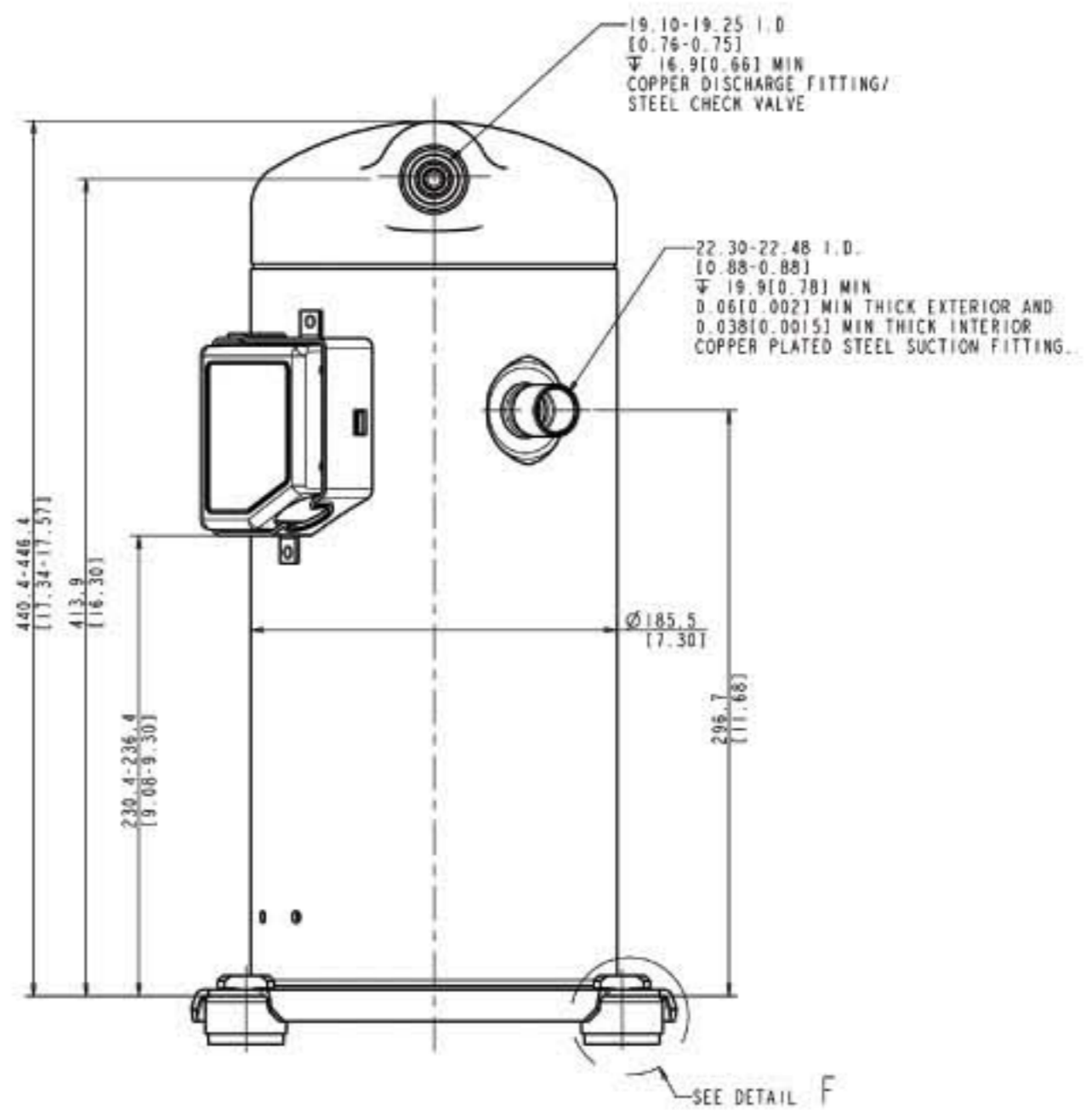
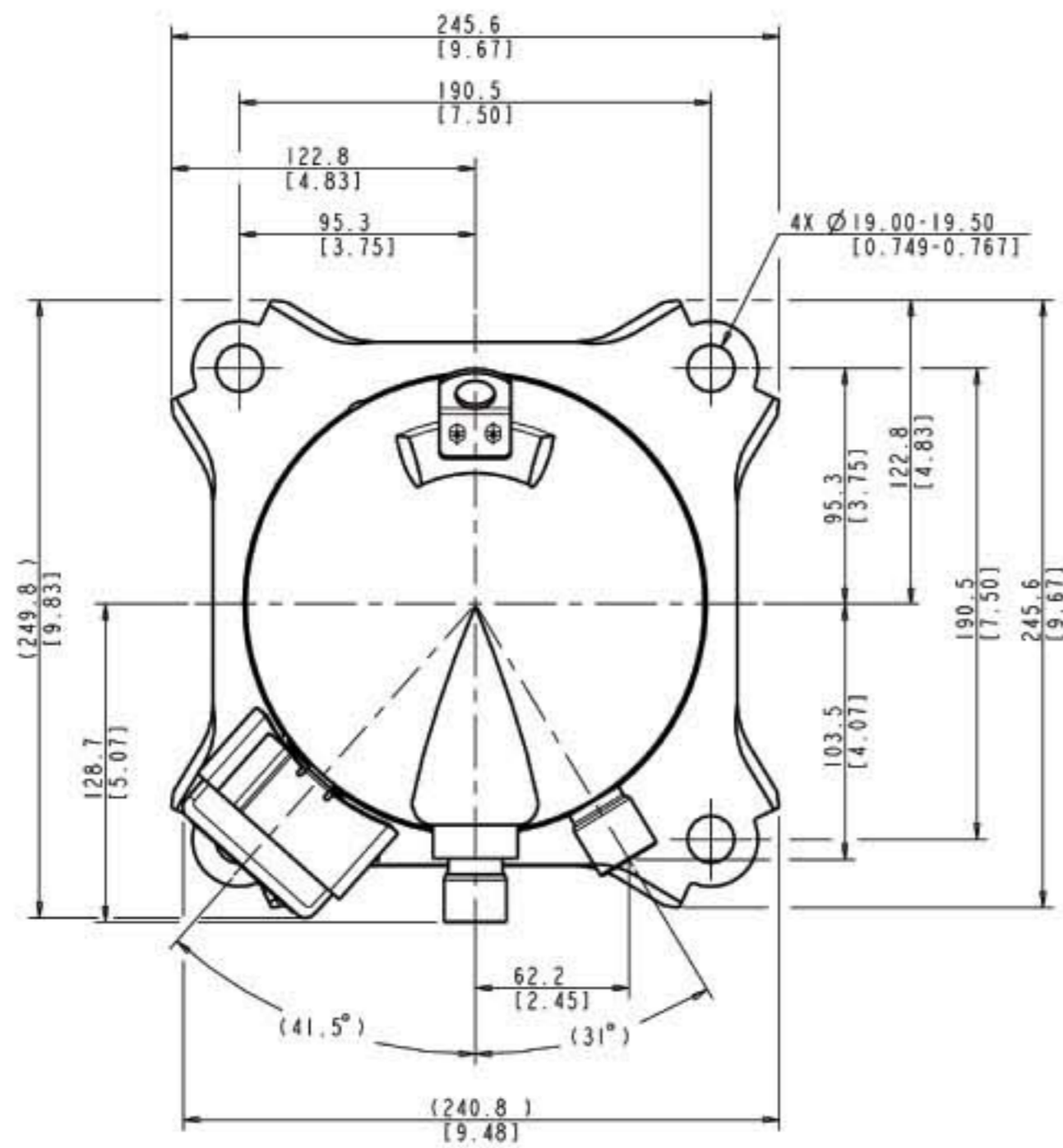




尺寸规格 >>

家用系列 >> 谷轮常规柔性涡旋系列

型号名	∅ A
ZR81KC-TF5	17.45 [0.687]
ZR81KC-TFD	13.46 [0.530]

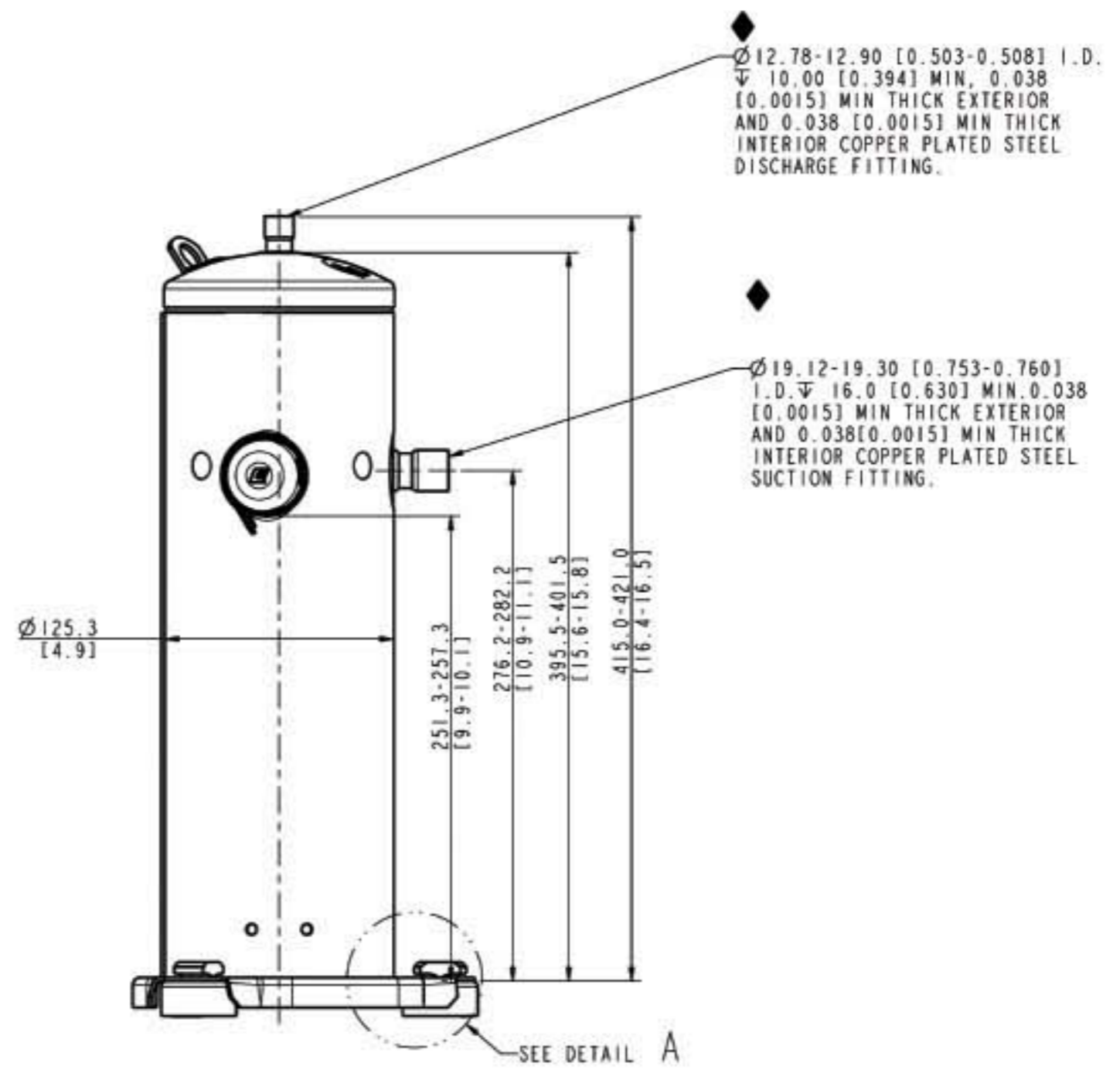
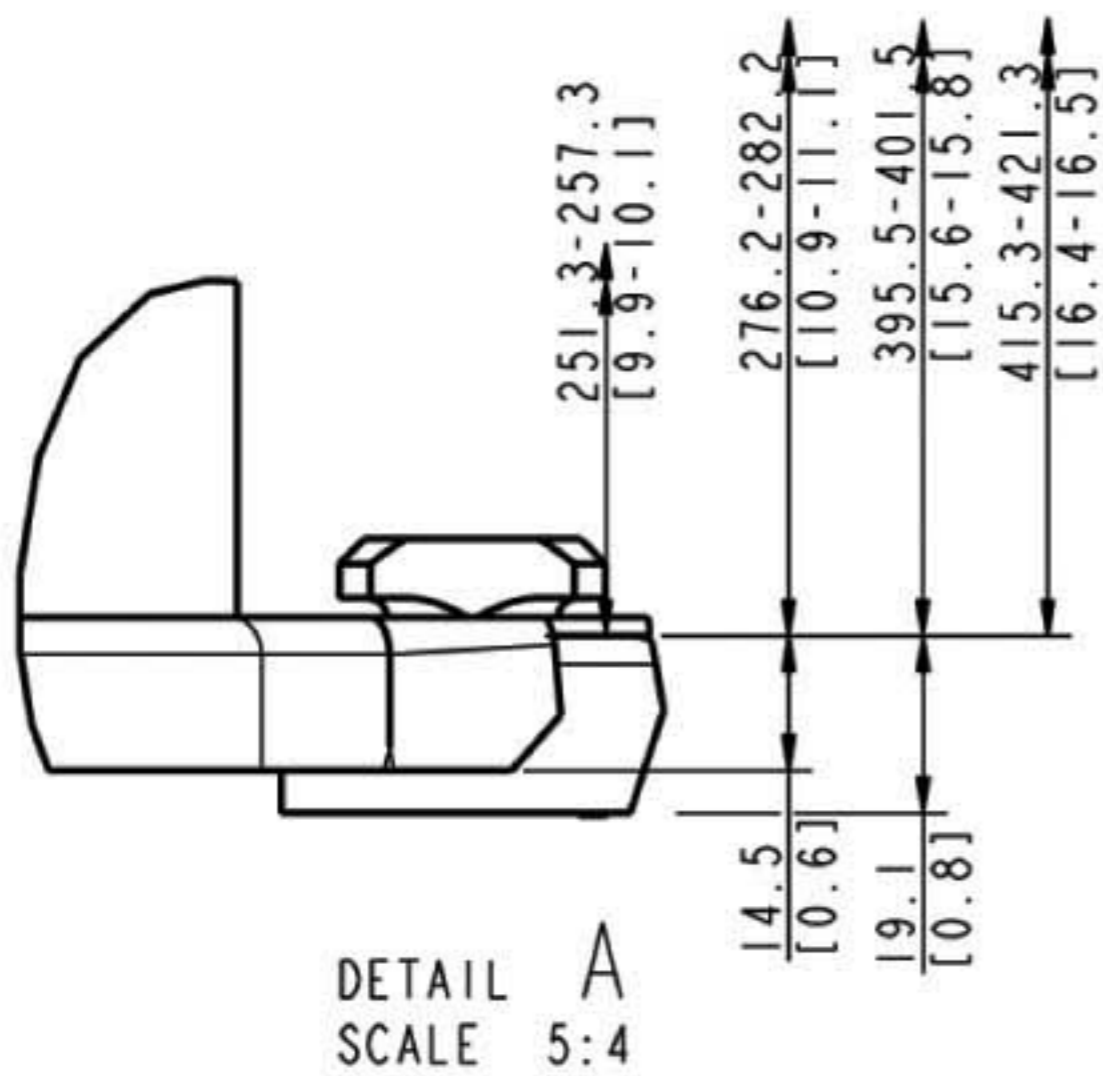
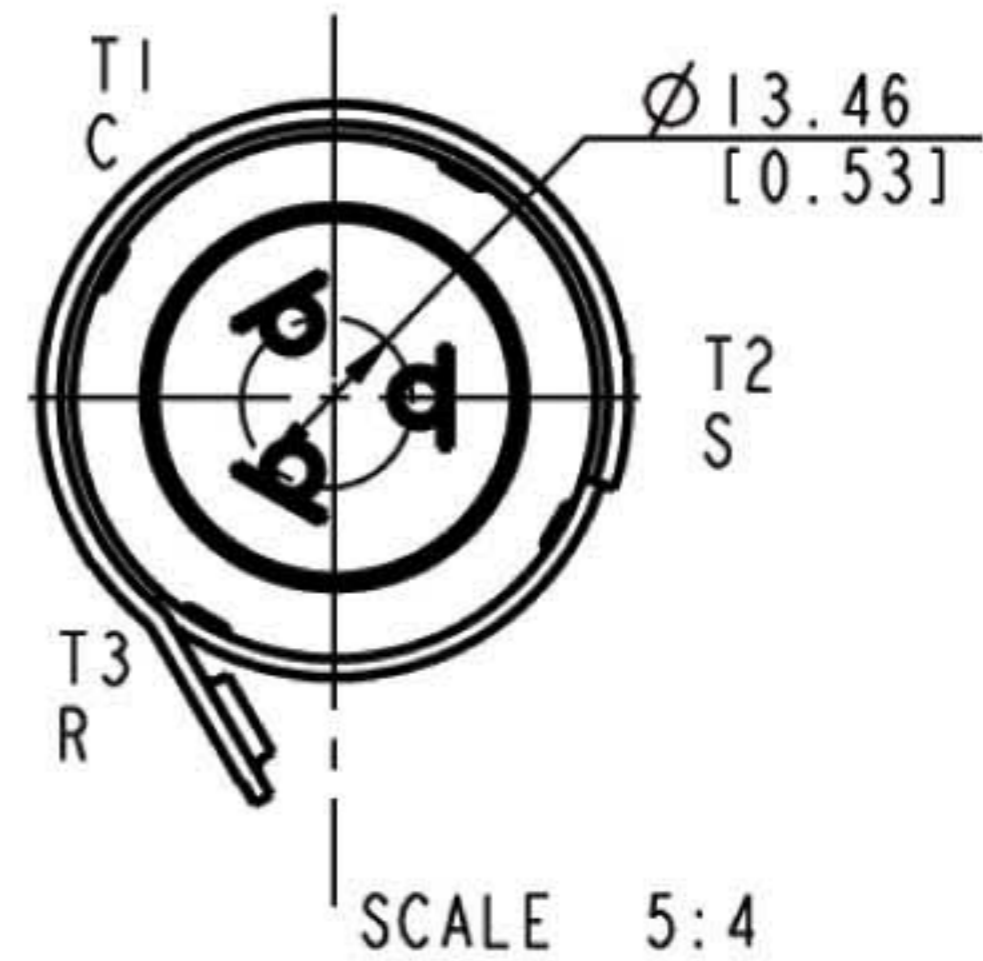
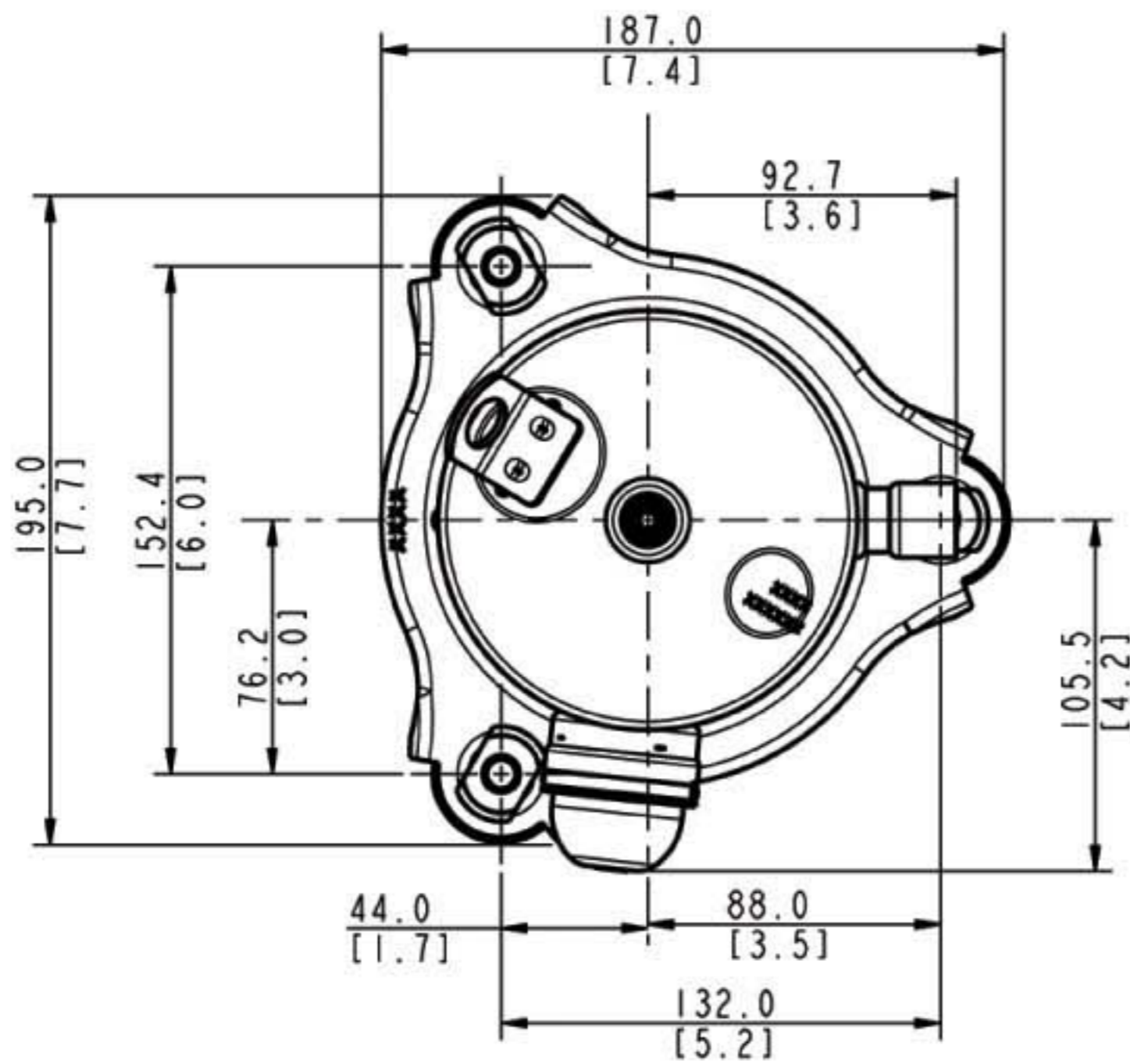




尺寸规格 >>

家用系列 >> 谷轮常规柔性涡旋系列

型号名	∅ A
VR28KM-PFS	13.46 [0.530]
VR30KM-PFS	13.46 [0.530]
VR31KM-PFS	13.46 [0.530]

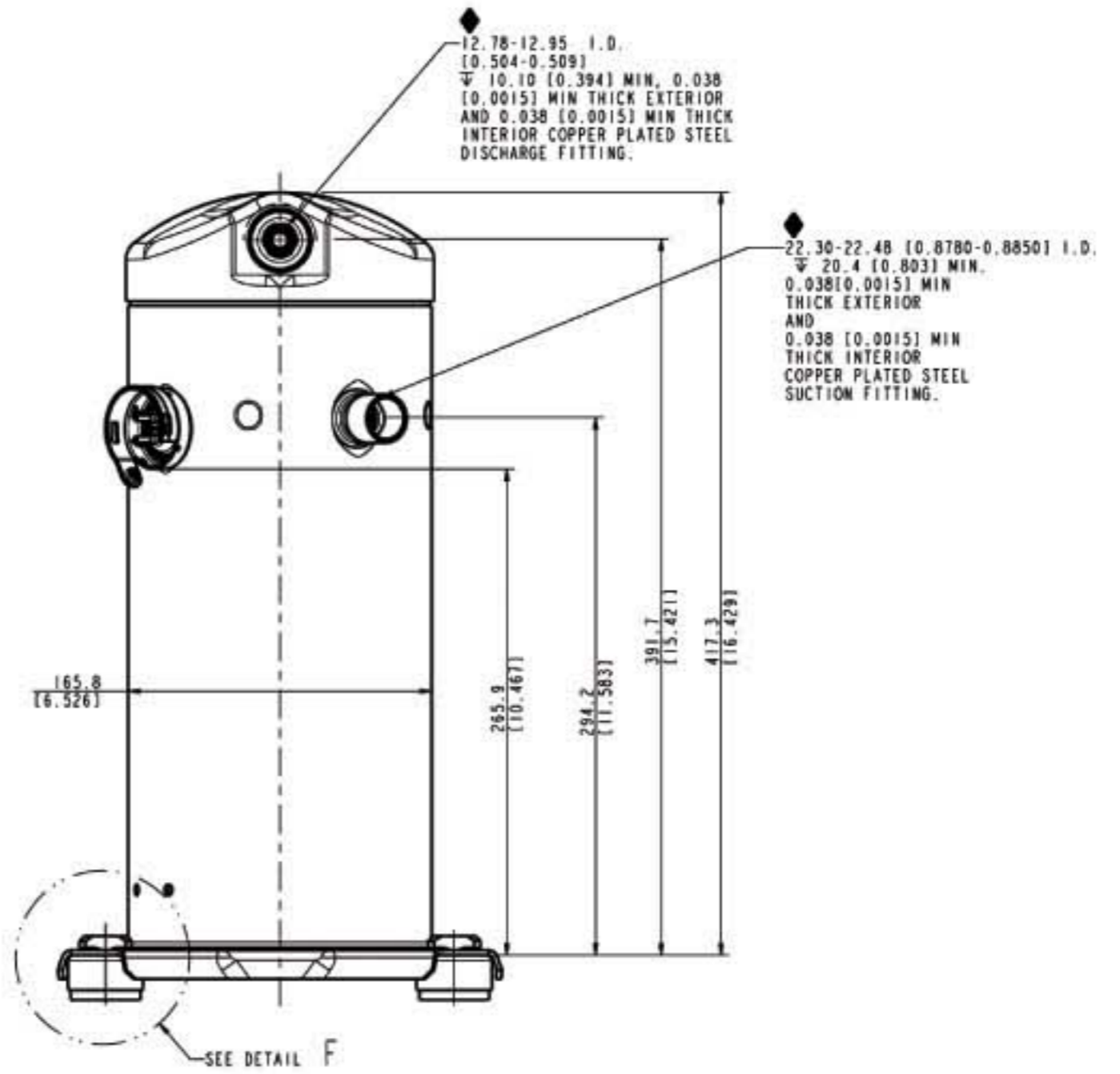
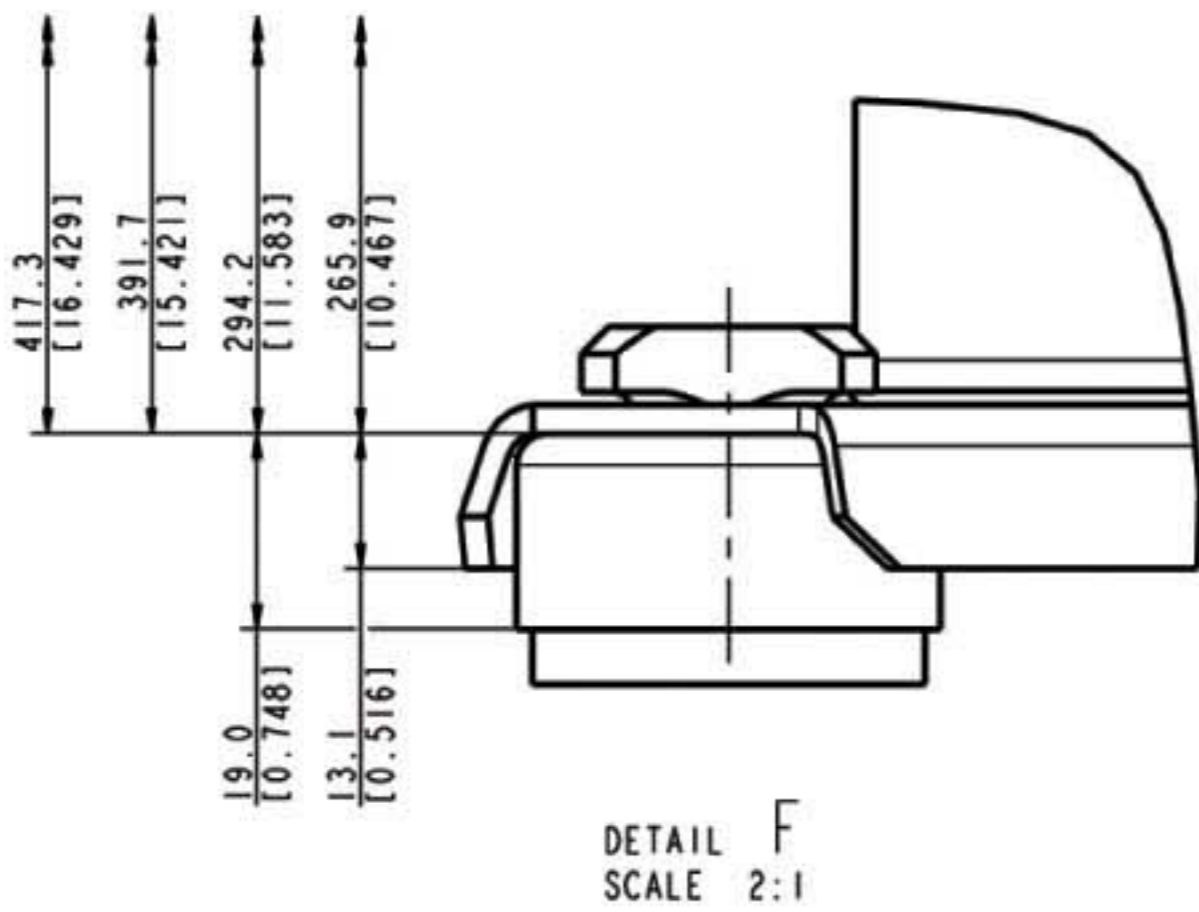
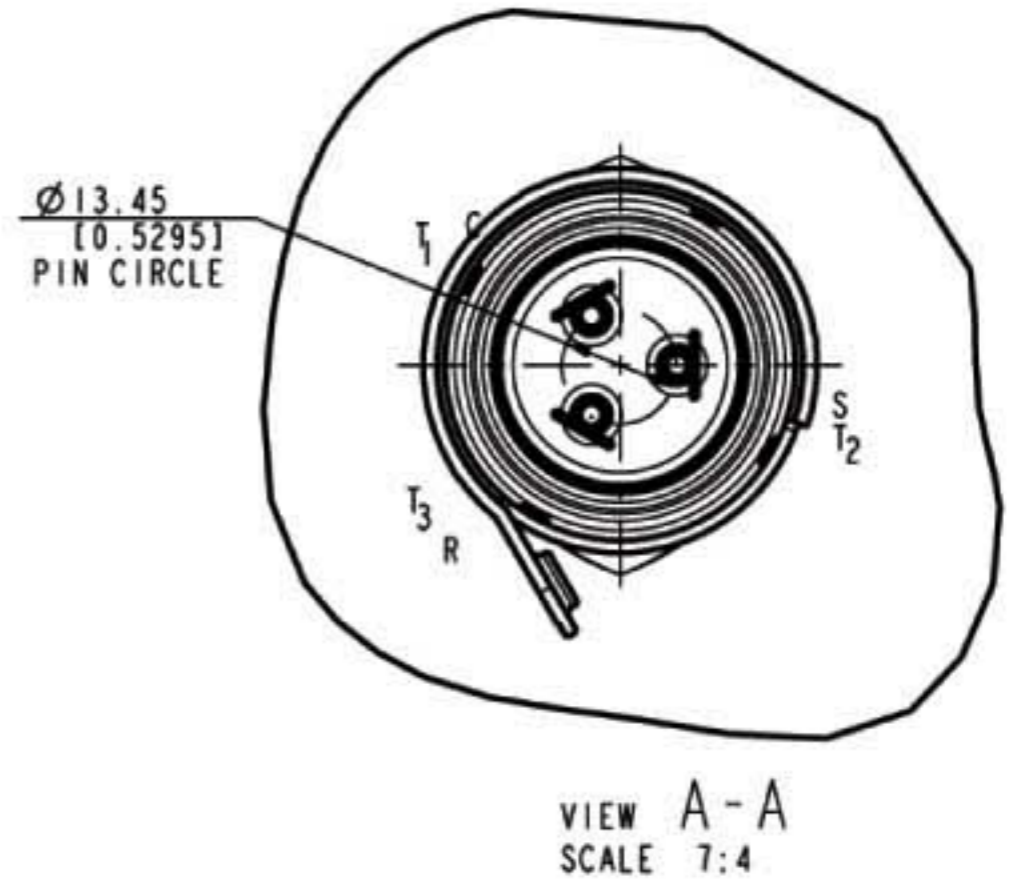
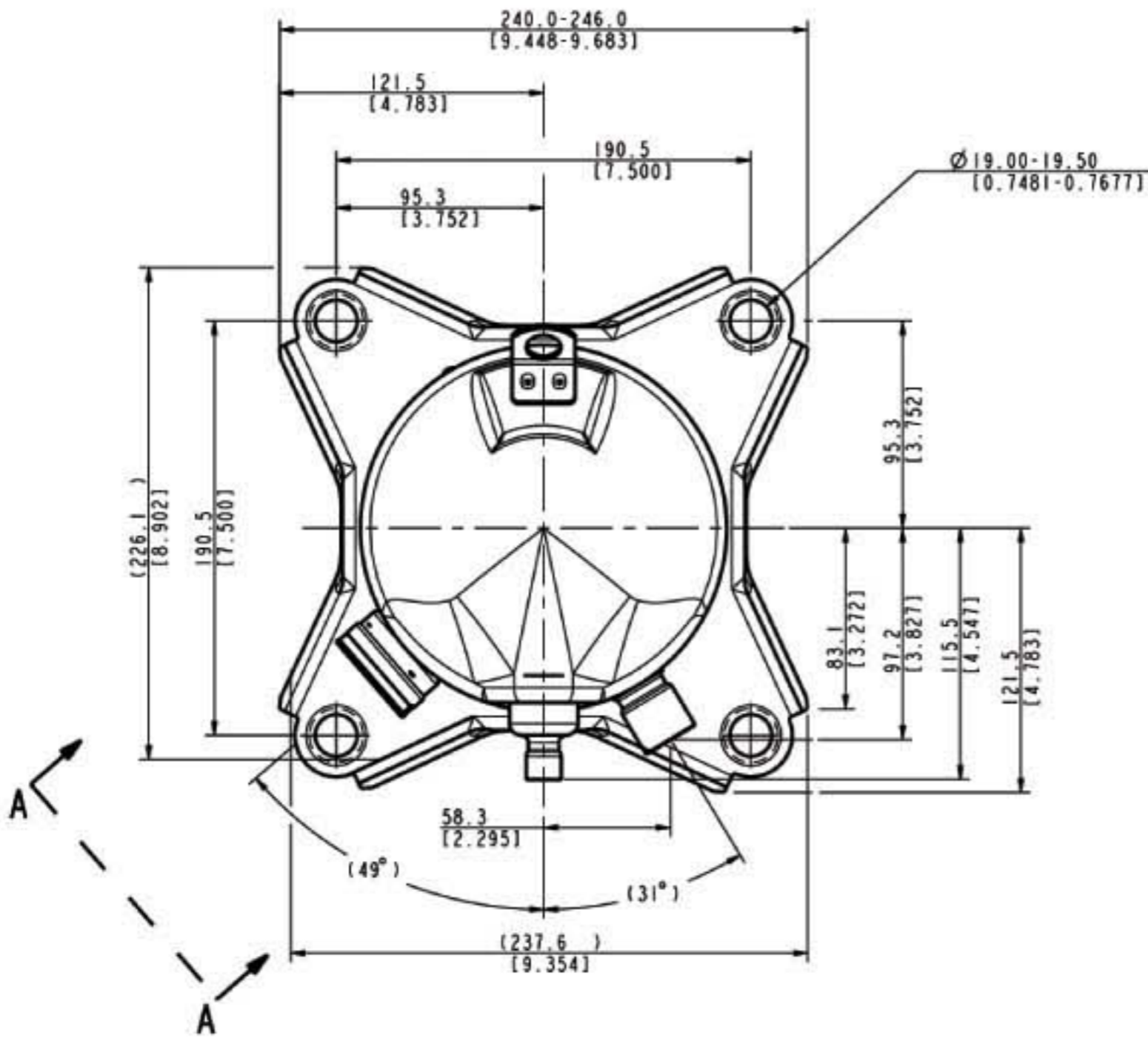




尺寸规格 >>

家用系列 >> 谷轮常规柔性涡旋系列

型号名	∅ A
VR48KS-TFP	13.45 [0.5259]
VR54KS-TFP	13.45 [0.5259]
VR57KF-TFP	13.45 [0.5259]
VR57KS-TFP	13.45 [0.5259]
VR61KF-TFP	13.45 [0.5259]

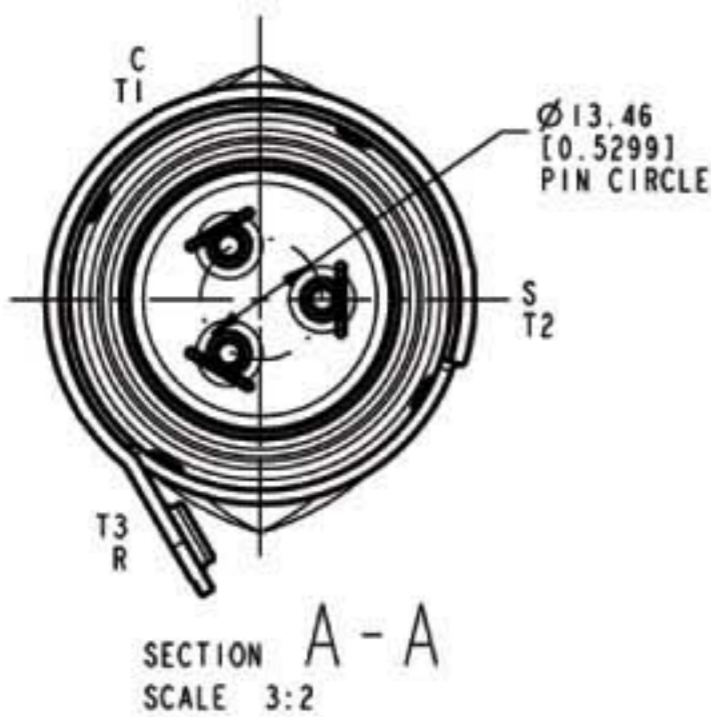
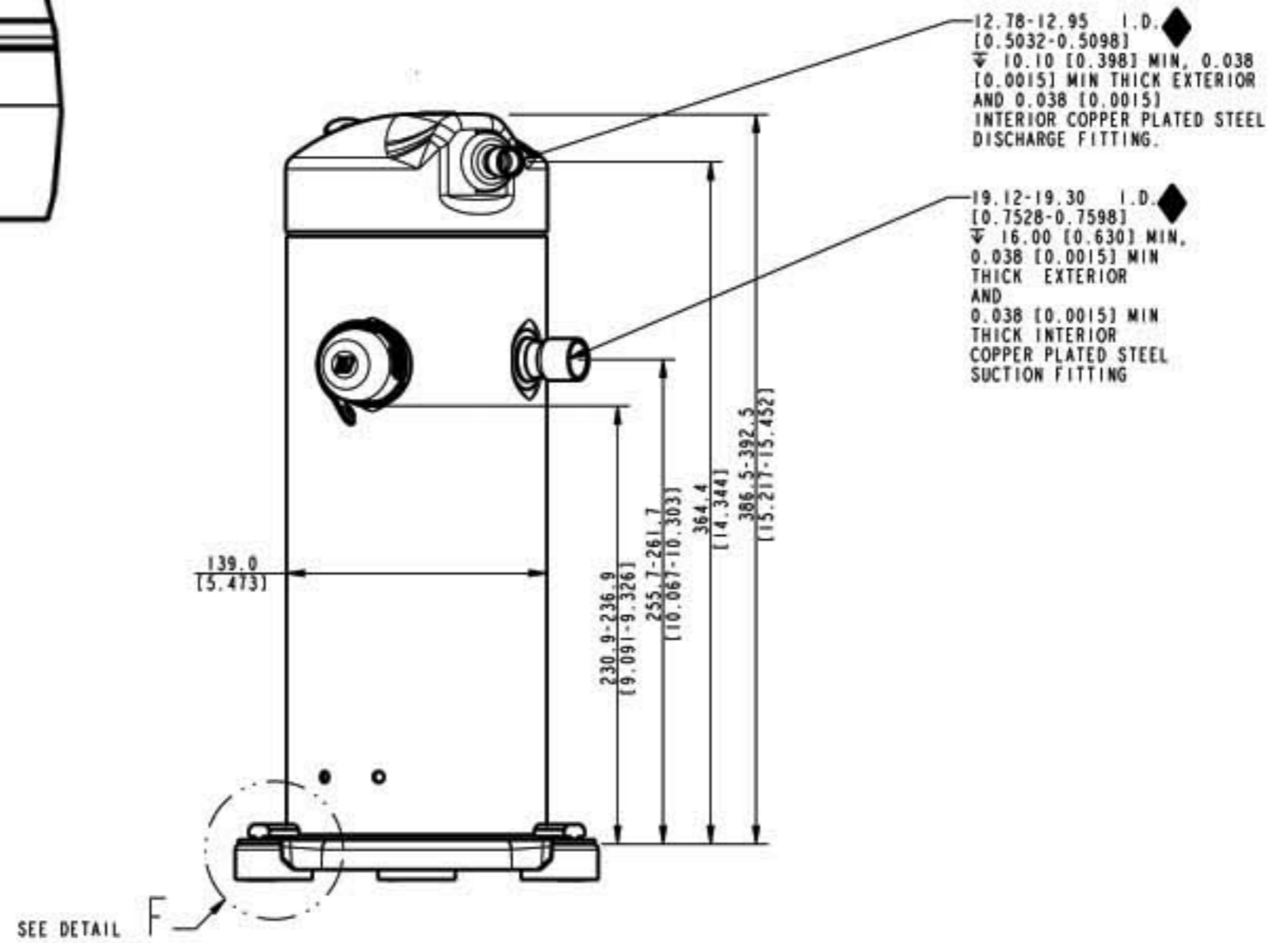
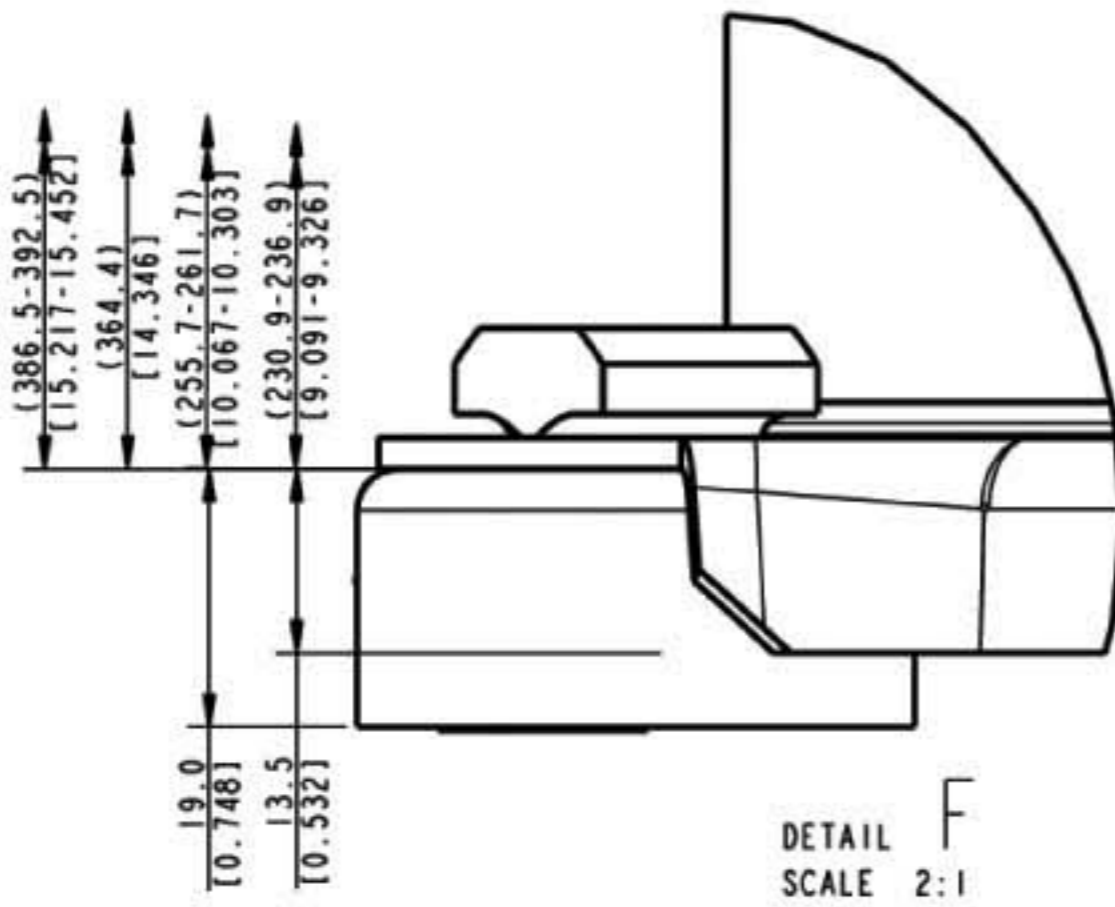
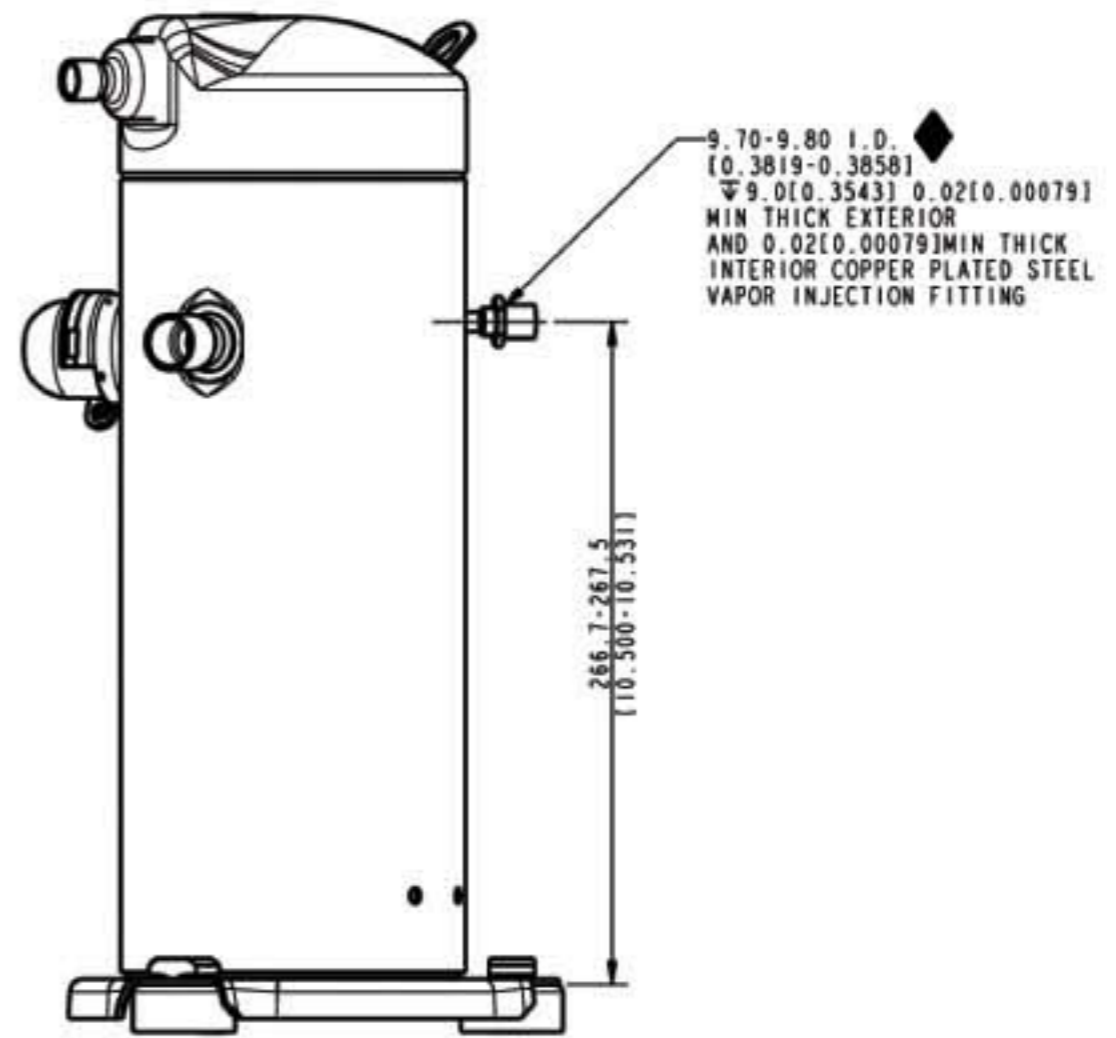
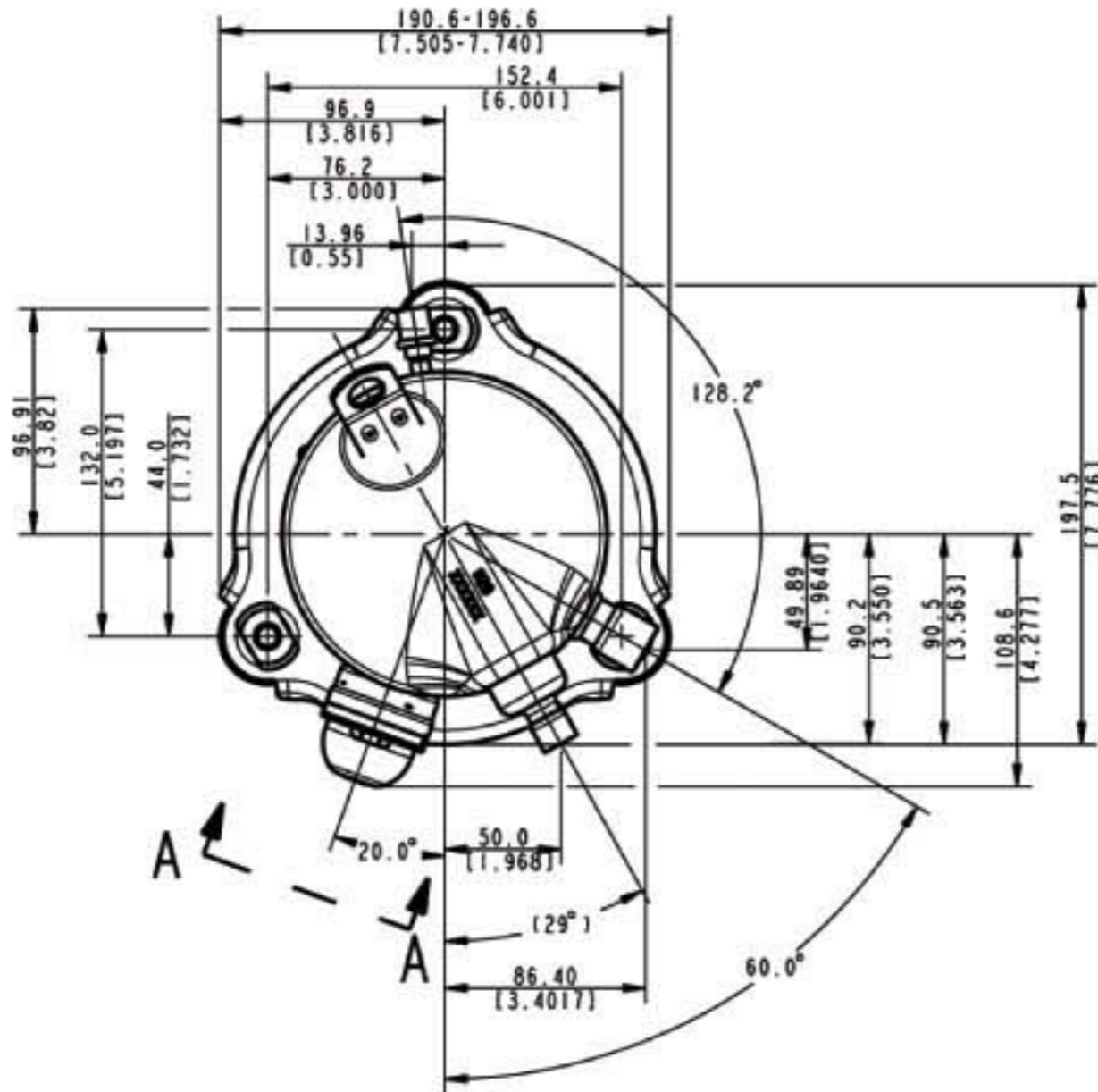




尺寸规格 >>

家用系列 >> 谷轮高效强热涡旋系列

型号名	∅ A
VRI30KS-TFP	13.46 [0.5299]
VRI34KF-PFS	13.46 [0.5299]

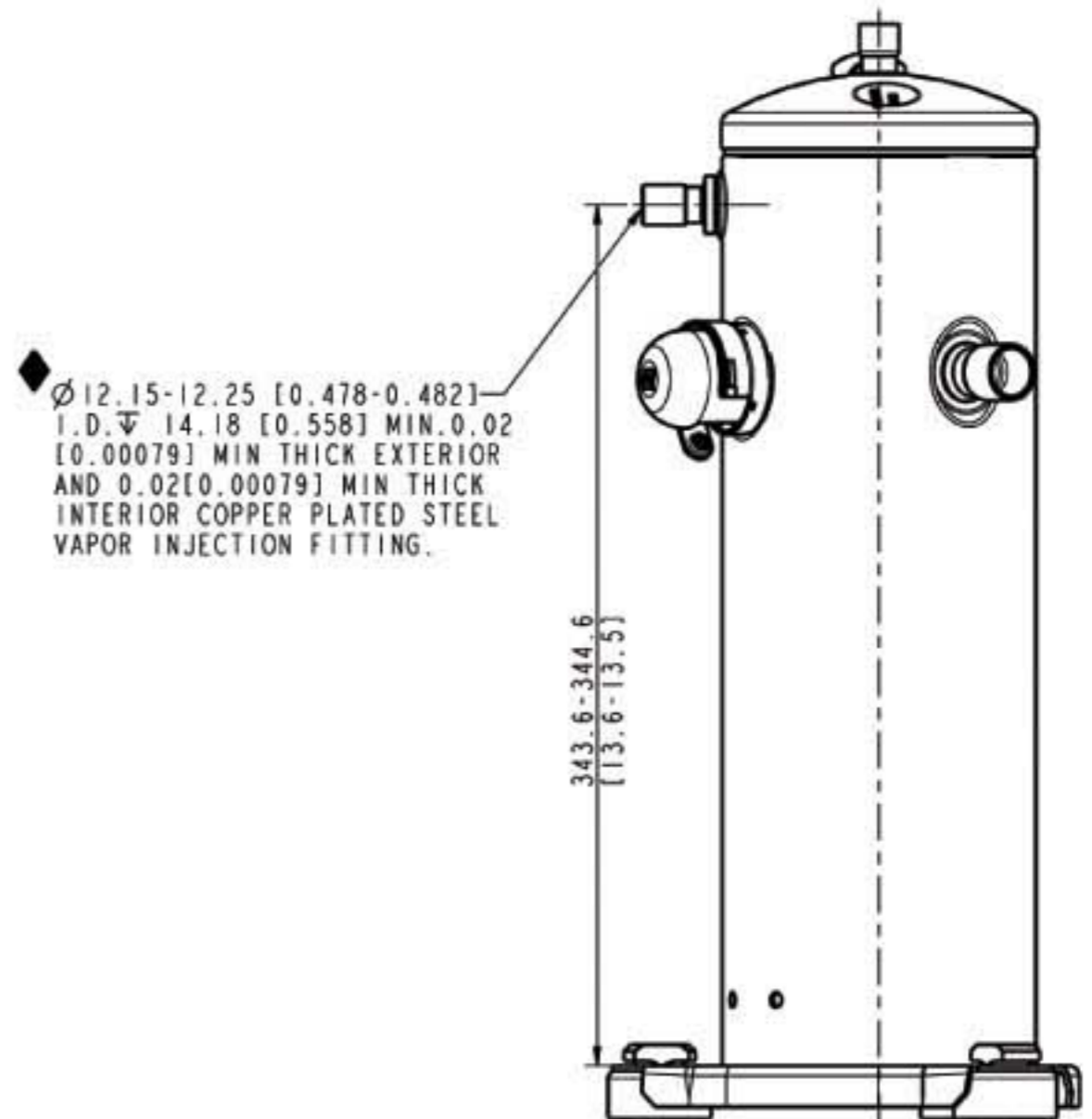
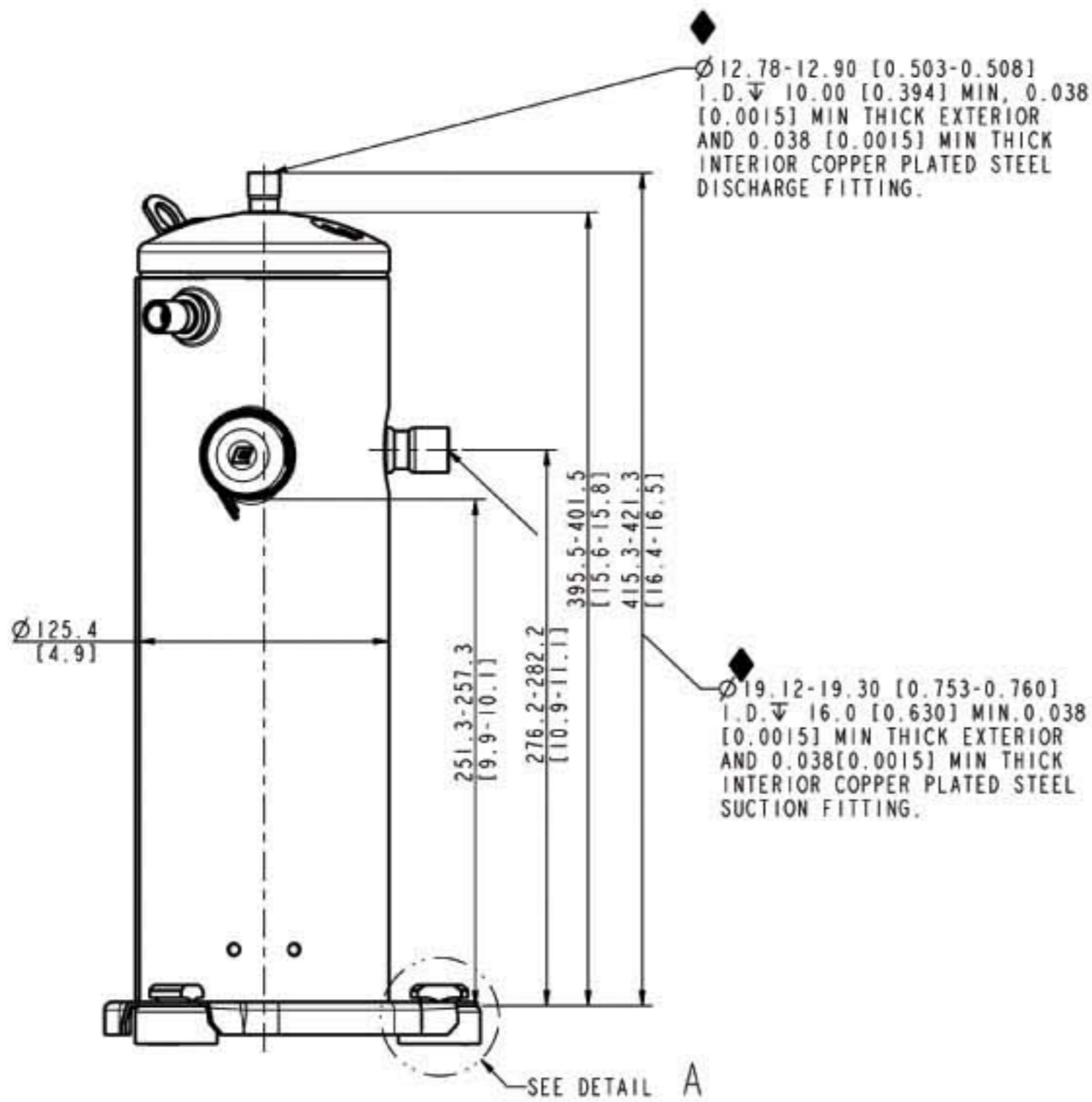
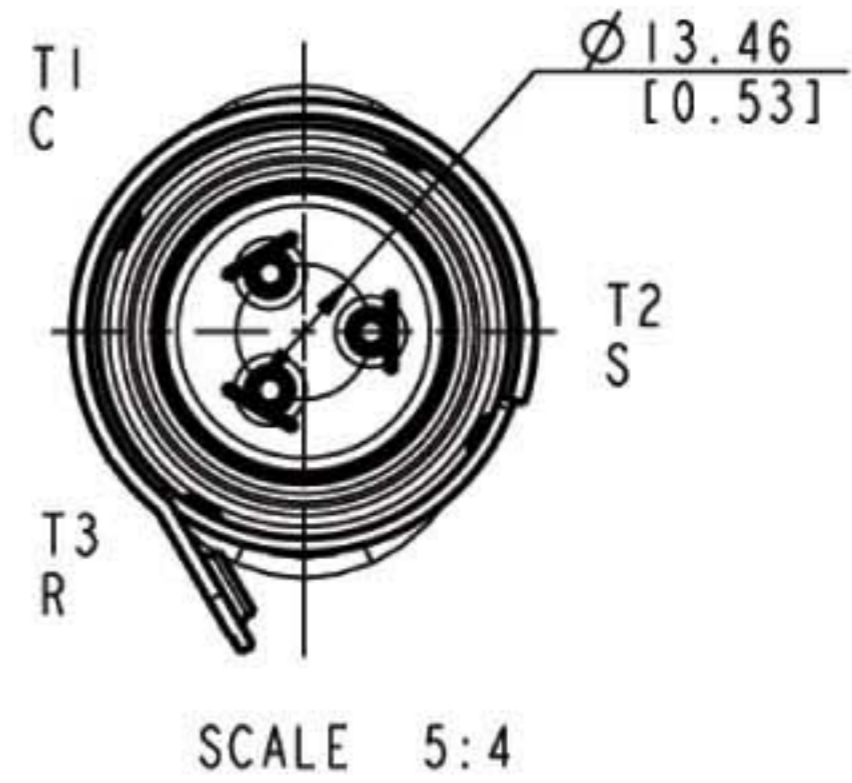
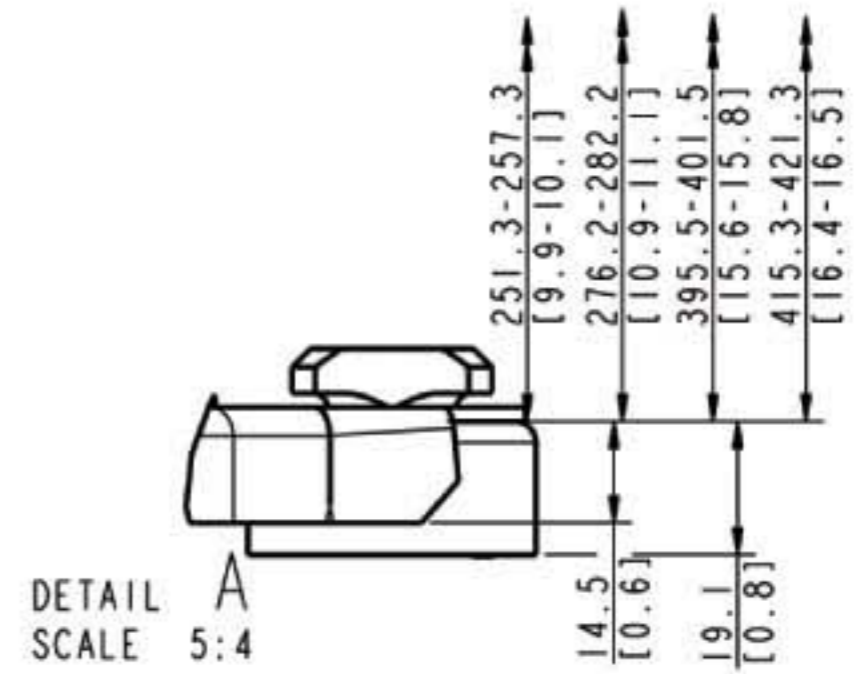
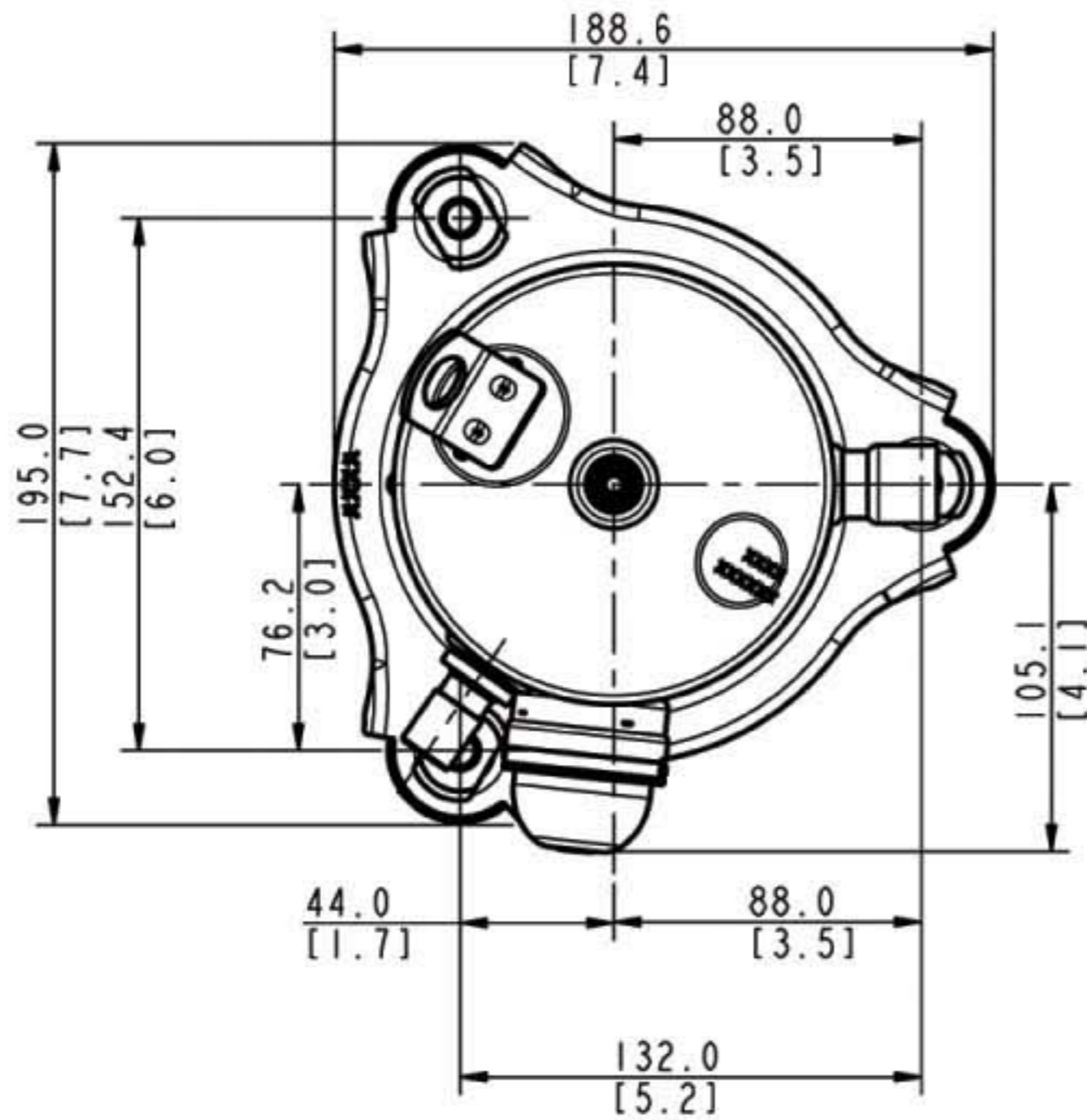




尺寸规格 >>

家用系列 >> 谷轮高效强热涡旋系列

型号名	∅ A
VRI28KM-PFS	13.46 [0.53]
VRI30KM-PFS	13.46 [0.53]
VRI31KM-PFS	13.46 [0.53]

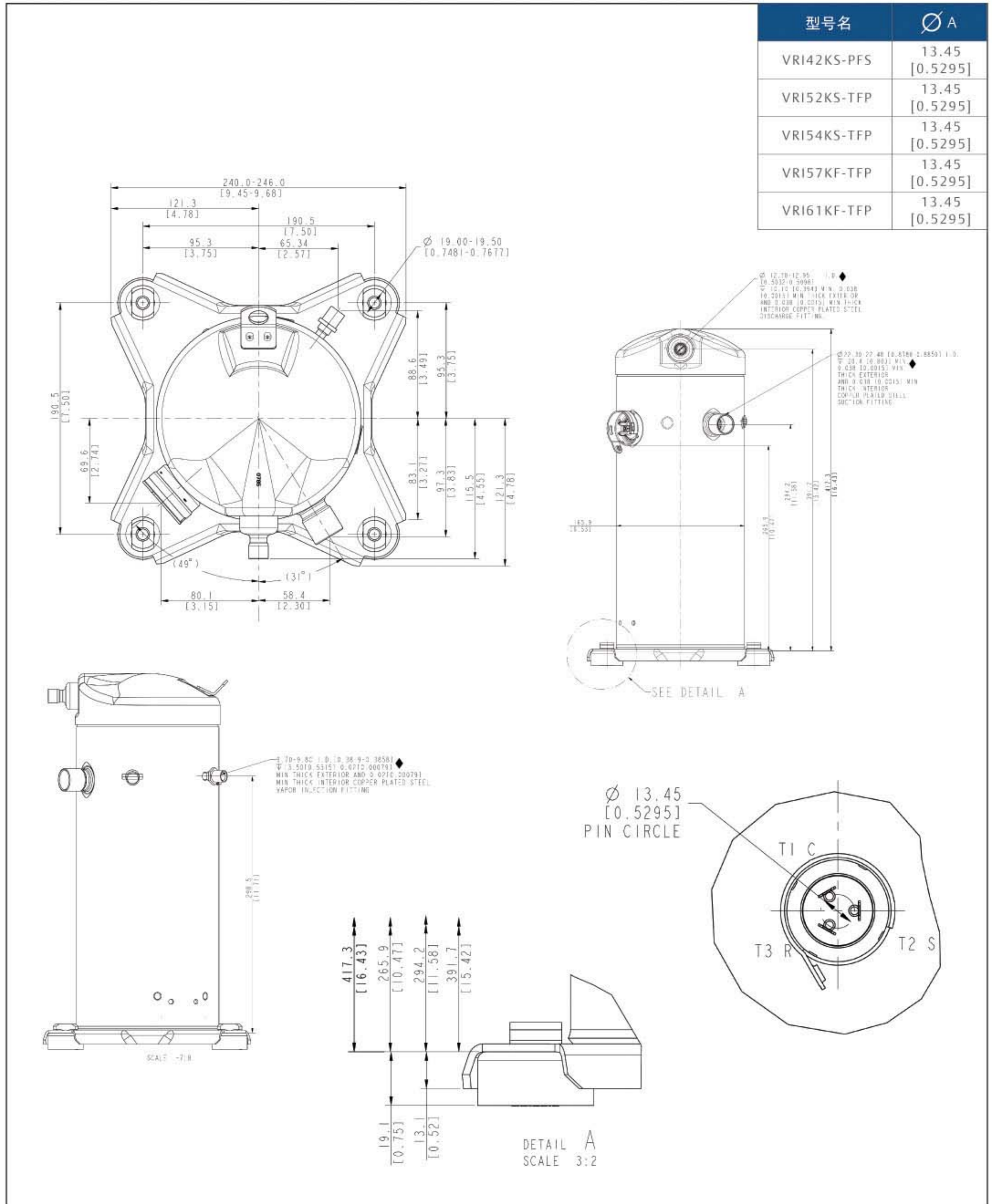




尺寸规格 >>

家用系列 >> 谷轮高效强热涡旋系列

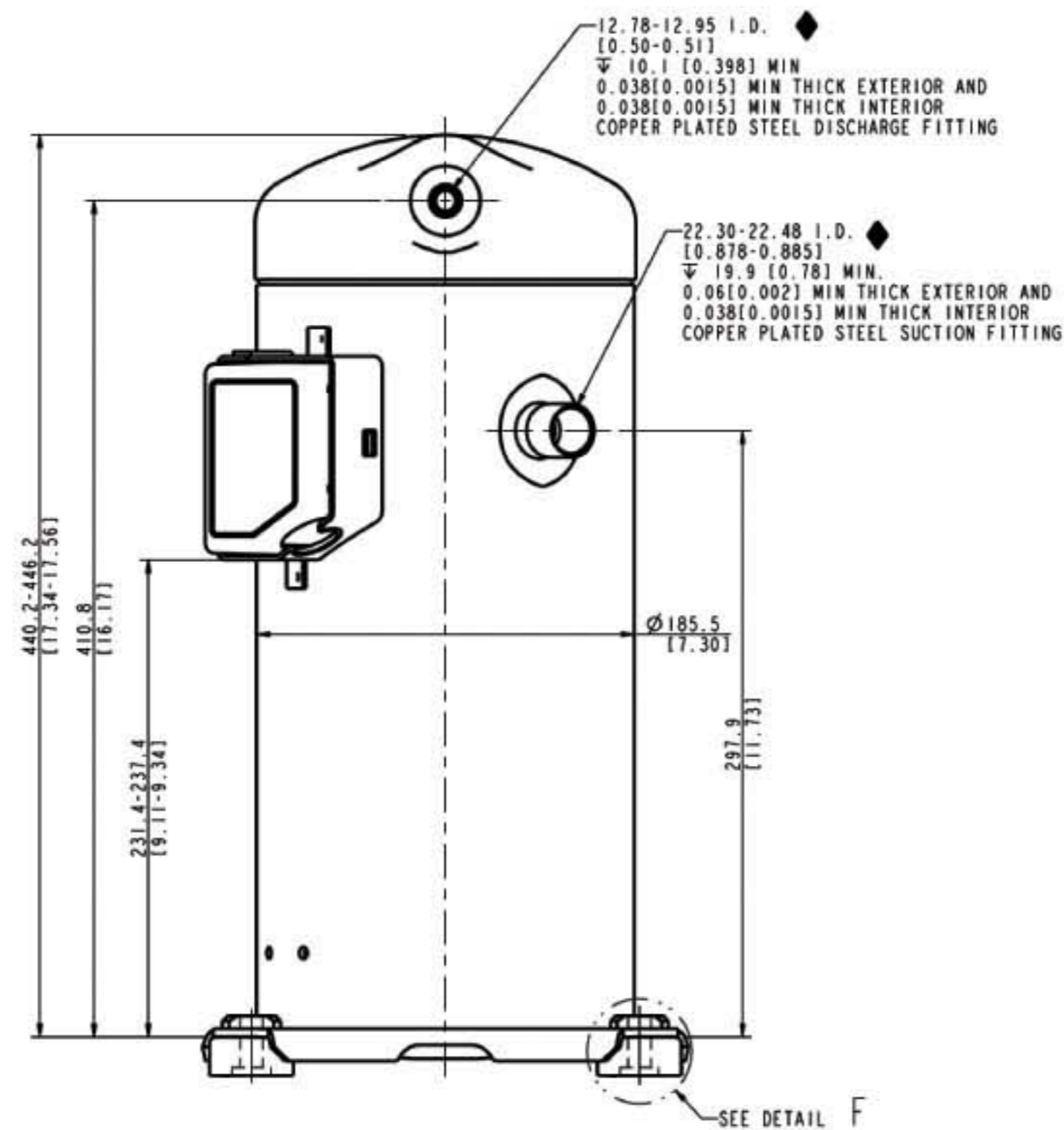
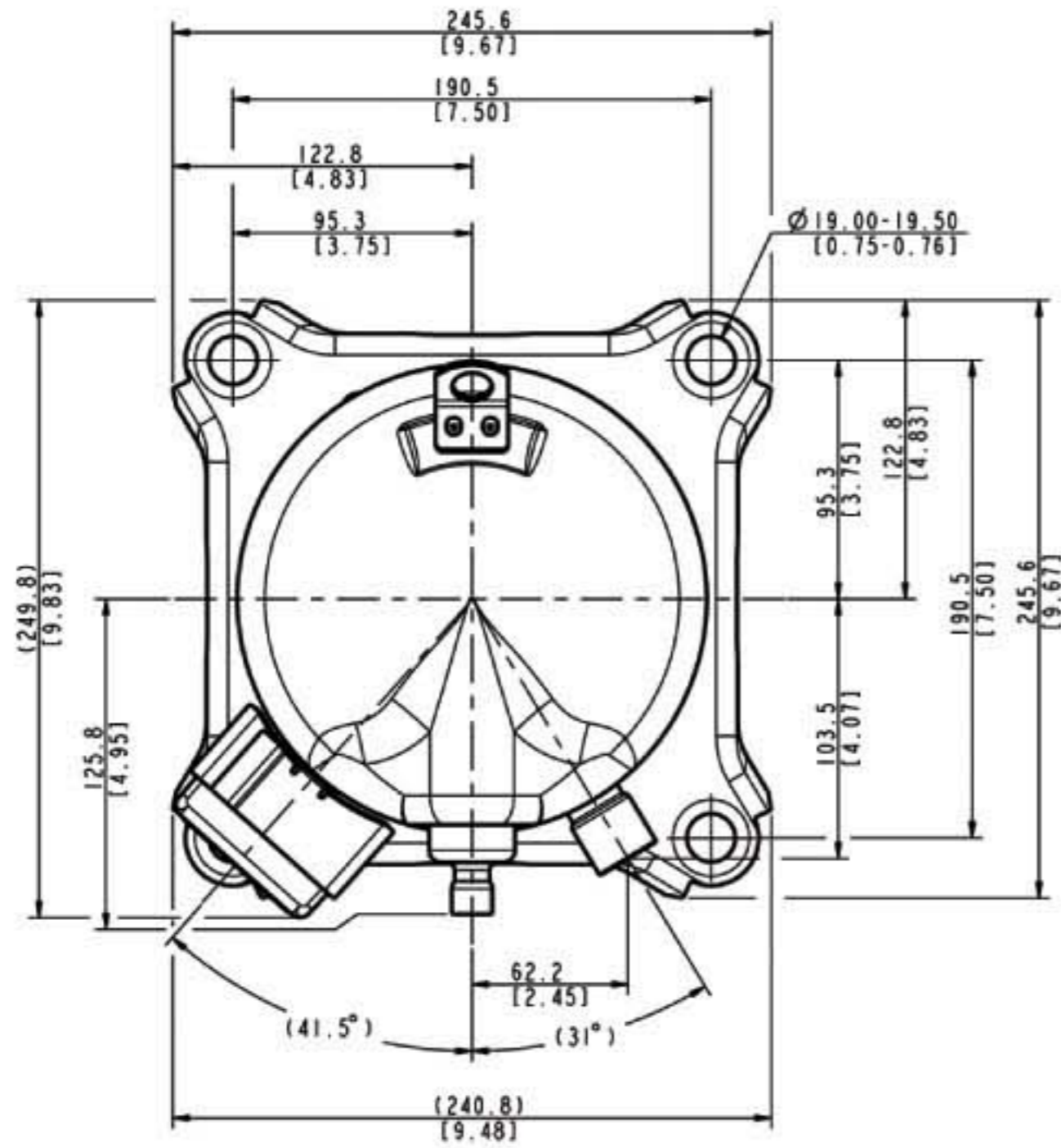
型号名	Ø A
VRI42KS-PFS	13.45 [0.5295]
VRI52KS-TFP	13.45 [0.5295]
VRI54KS-TFP	13.45 [0.5295]
VRI57KF-TFP	13.45 [0.5295]
VRI61KF-TFP	13.45 [0.5295]



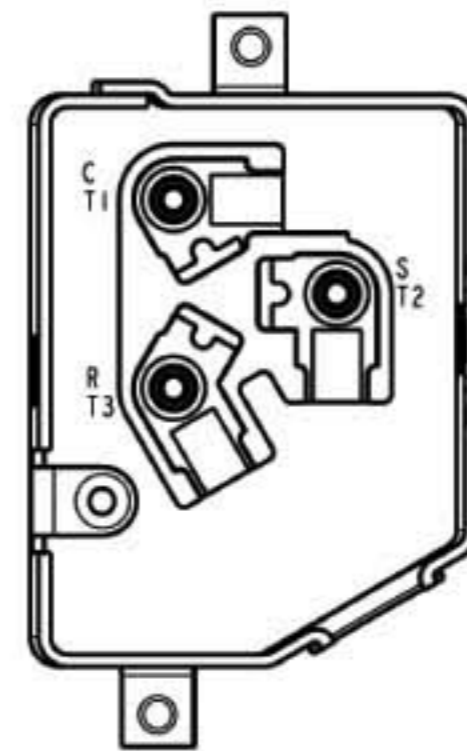


尺寸规格 >>

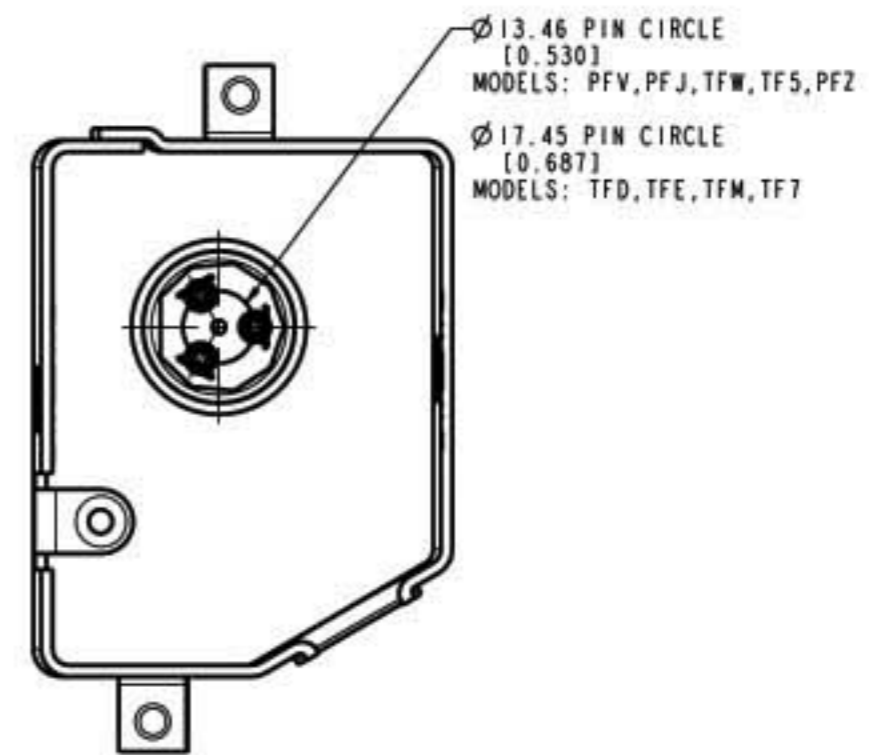
家用系列 >> 谷轮R410A新冷媒系列



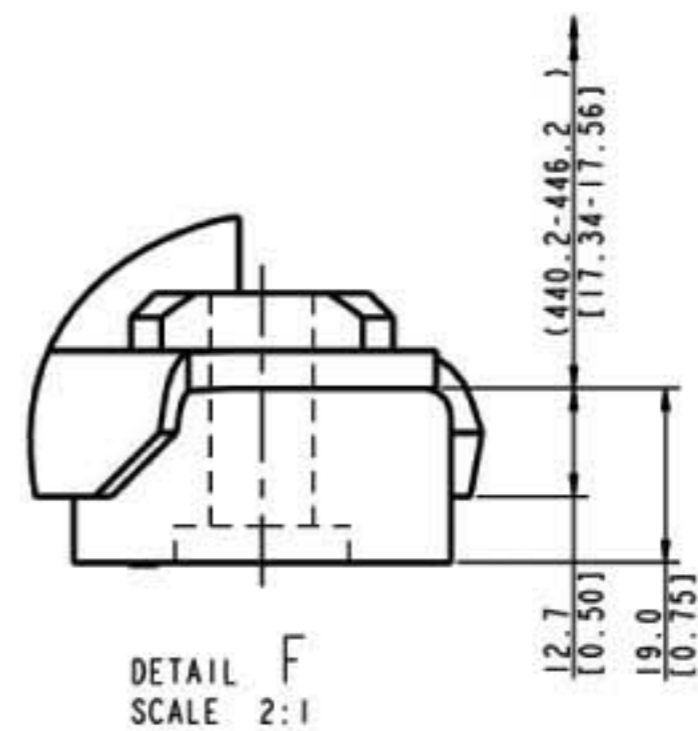
型号名	∅ A	型号名	∅ A
ZP57K3E-PFJ	13.46 [0.530]	ZP67KCE-PFZ	13.46 [0.530]
ZP57K3E-TF5	13.46 [0.530]	ZP67KCE-TF5	13.46 [0.530]
ZP57K3E-TFD	17.45 [0.687]	ZP67KCE-TFD	17.45 [0.687]
ZP61KCE-PFZ	13.46 [0.530]	ZP72KCE-TF5	13.46 [0.530]
ZP61KCE-TF5	13.46 [0.530]	ZP72KCE-TFD	17.45 [0.687]
ZP61KCE-TFD	17.45 [0.687]	ZP83KCE-TFD	17.45 [0.687]



T' BOX LAYOUT
OPTIONAL
SCALE 3:2



T' BOX LAYOUT
STANDARD
SCALE 3:2



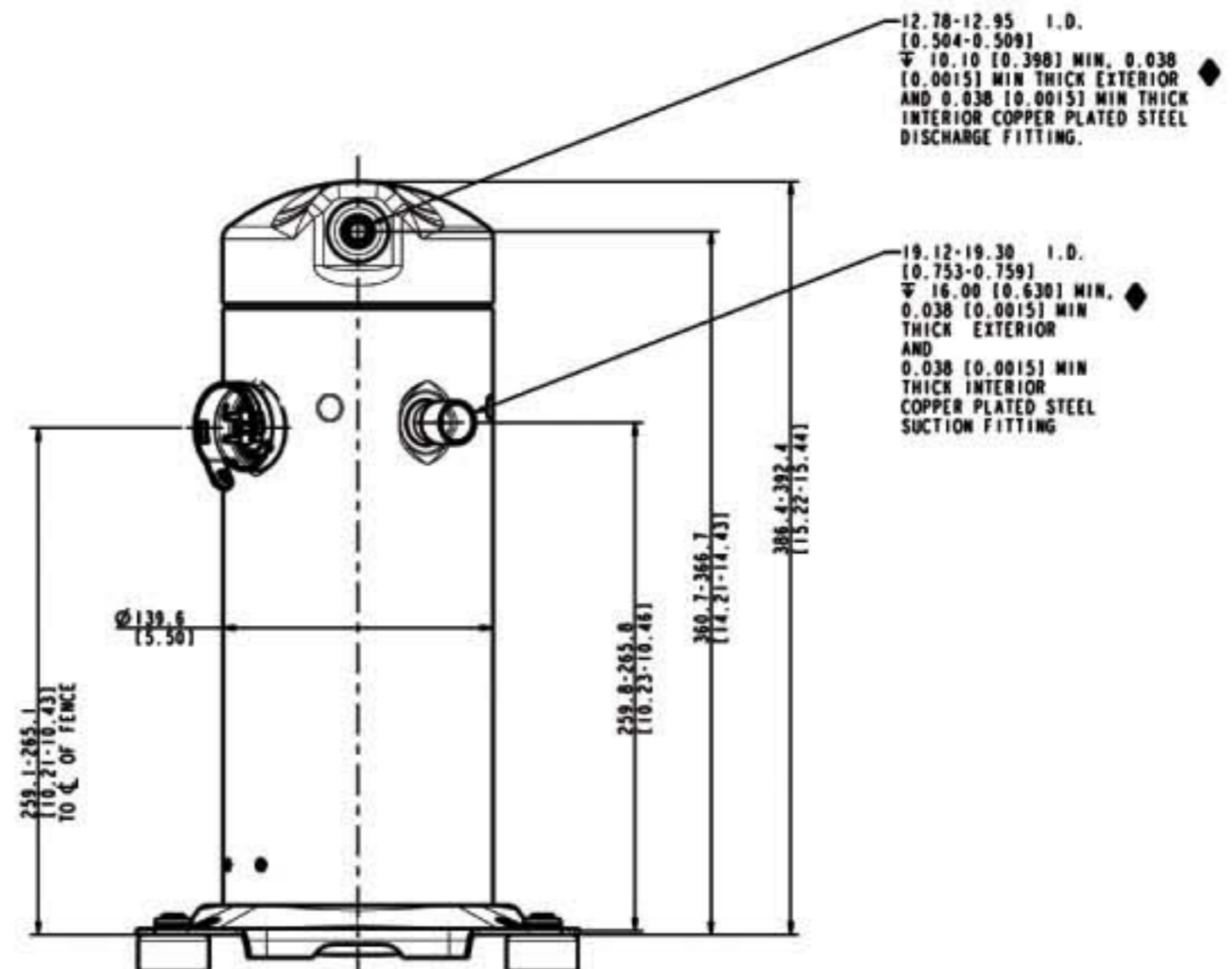
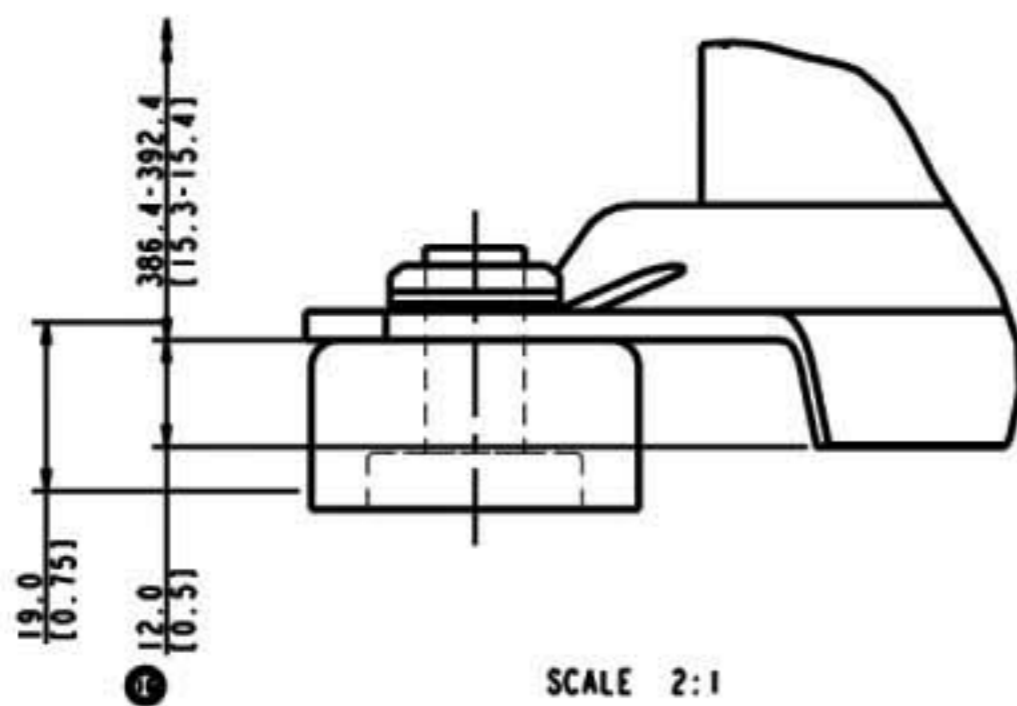
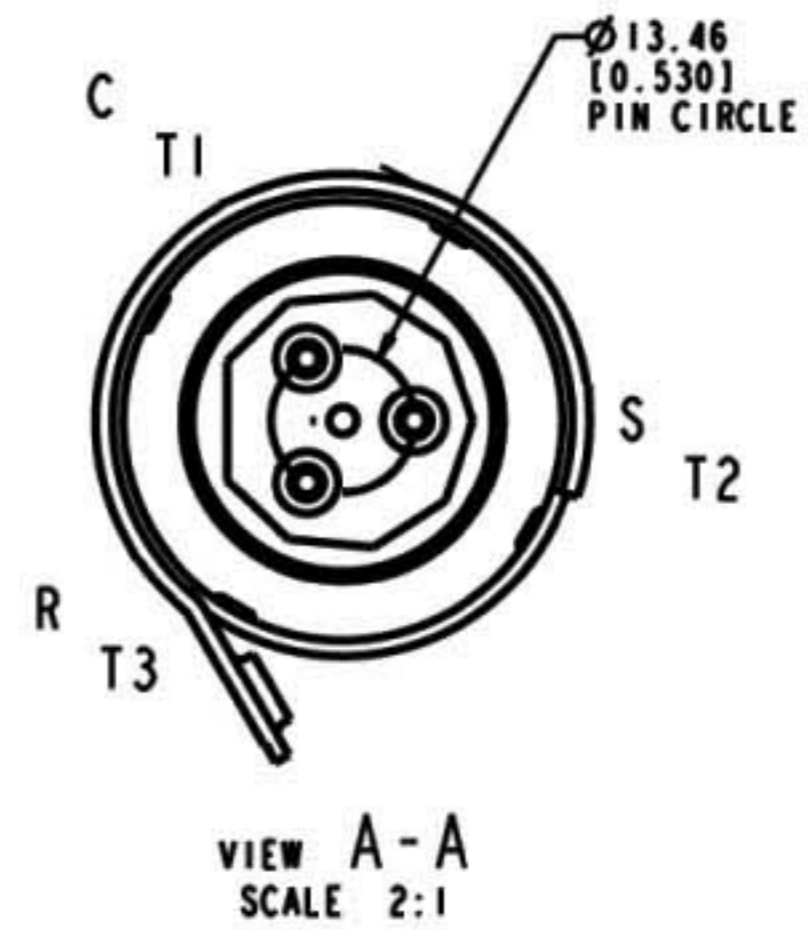
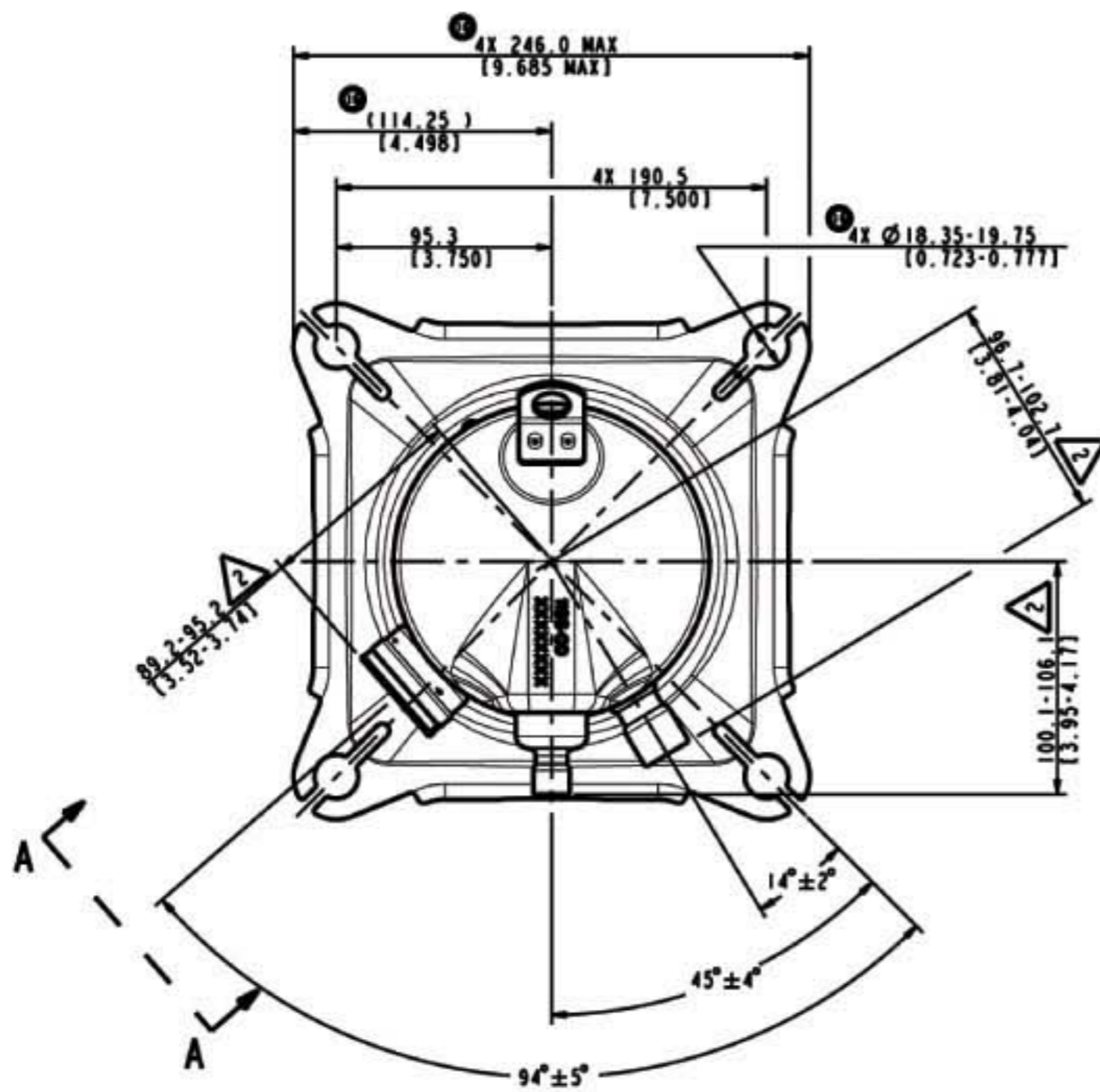
DETAIL F
SCALE 2:1



尺寸规格 >>

家用系列 >> 谷轮R410A新冷媒系列

型号名	∅ A	型号名	∅ A
ZP16K5E-PFJ	13.46 [0.530]	ZP25K5E-TFD	13.46 [0.530]
ZP20K5E-PFJ	13.46 [0.530]	ZP28K5E-TF5	13.46 [0.530]
ZP21K5E-PFJ	13.46 [0.530]	ZP29K5E-PFJ	13.46 [0.530]
ZP24K5E-PFJ	13.46 [0.530]	ZP29K5E-TF5	13.46 [0.530]
ZP24K5E-TF5	13.46 [0.530]	ZP29K5E-TFD	13.46 [0.530]
ZP24K5E-TFD	13.46 [0.530]	ZP31K5E-PFJ	13.46 [0.530]
ZP25K5E-PFJ	13.46 [0.530]	ZP31K5E-TF5	13.46 [0.530]
ZP25K5E-TF5	13.46 [0.530]	ZP31K5E-TFD	13.46 [0.530]

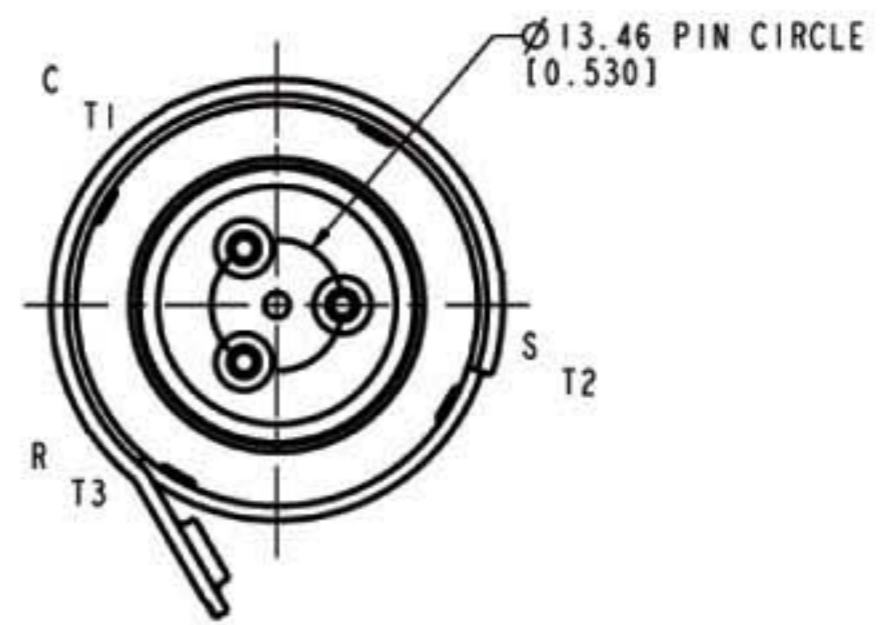
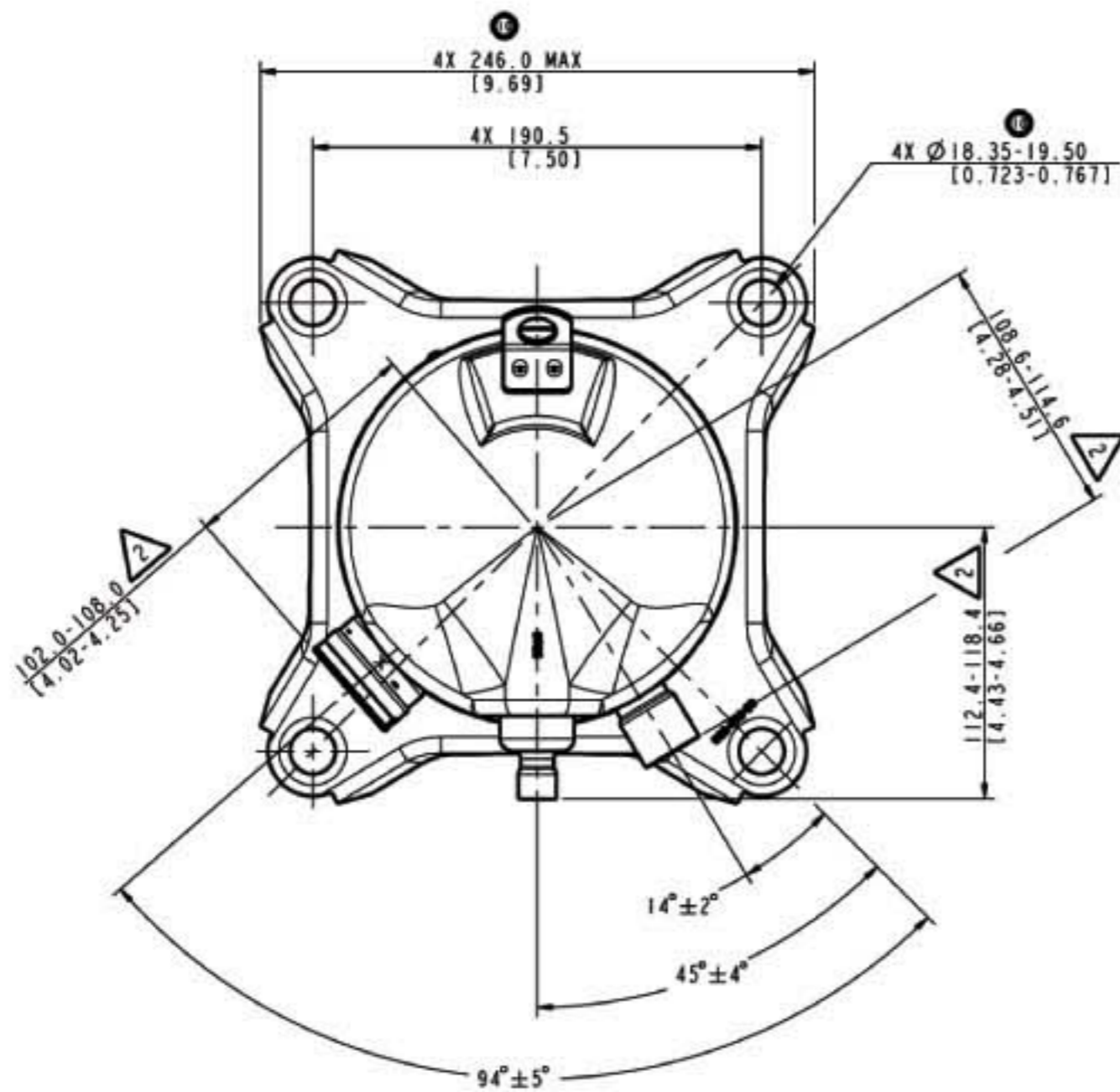




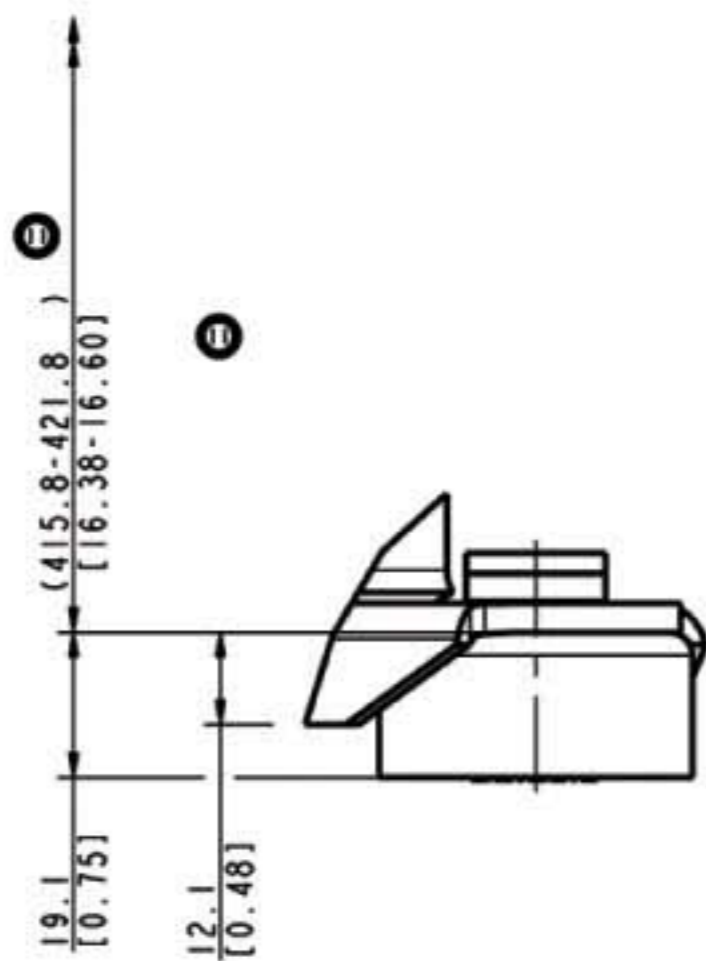
尺寸规格 >>

家用系列 >> 谷轮R410A新冷媒系列

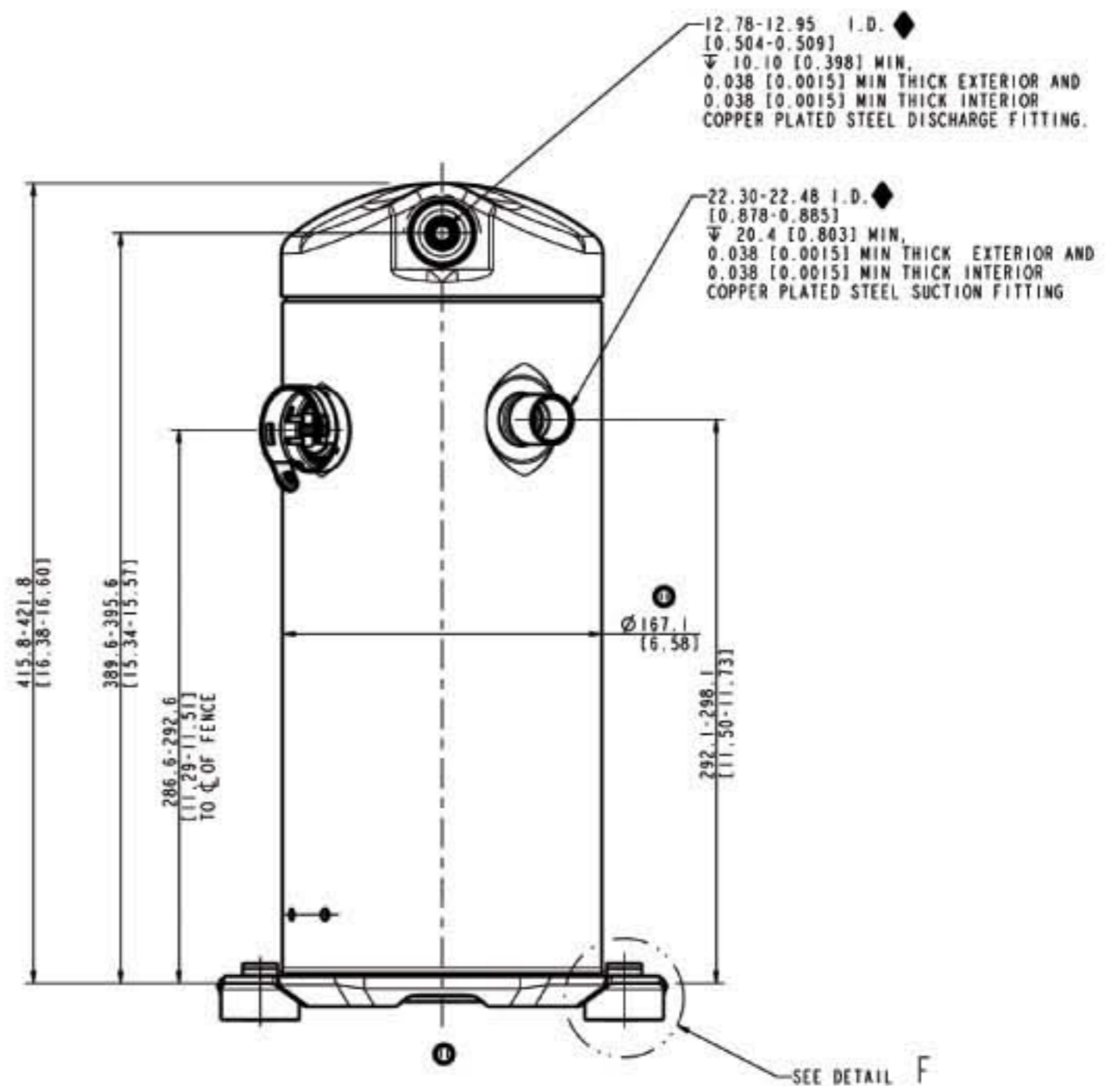
型号名	∅ A	型号名	∅ A
ZP34K5E-TF5	13.46 [0.530]	ZP42K5E-PF]	13.46 [0.530]
ZP34K5E-TFD	13.46 [0.530]	ZP42K5E-TFD	13.46 [0.530]
ZP36K5E-TF5	13.46 [0.530]	ZP42K5E-TF5	13.46 [0.530]
ZP36K5E-TFD	13.46 [0.530]	ZP51K5E-TF5	13.46 [0.530]
ZP38K5E-TF5	13.46 [0.530]	ZP51K5E-TFD	13.46 [0.530]
ZP38K5E-TFD	13.46 [0.530]	ZP54K5E-PF]	13.46 [0.530]
ZP39K5E-TF5	13.46 [0.530]	ZP54K5E-TF5	13.46 [0.530]
ZP39K5E-TFD	13.46 [0.530]	ZP54K5E-TFD	13.46 [0.530]



VIEW A-A
SCALE 2:1



DETAIL F
SCALE 3:2



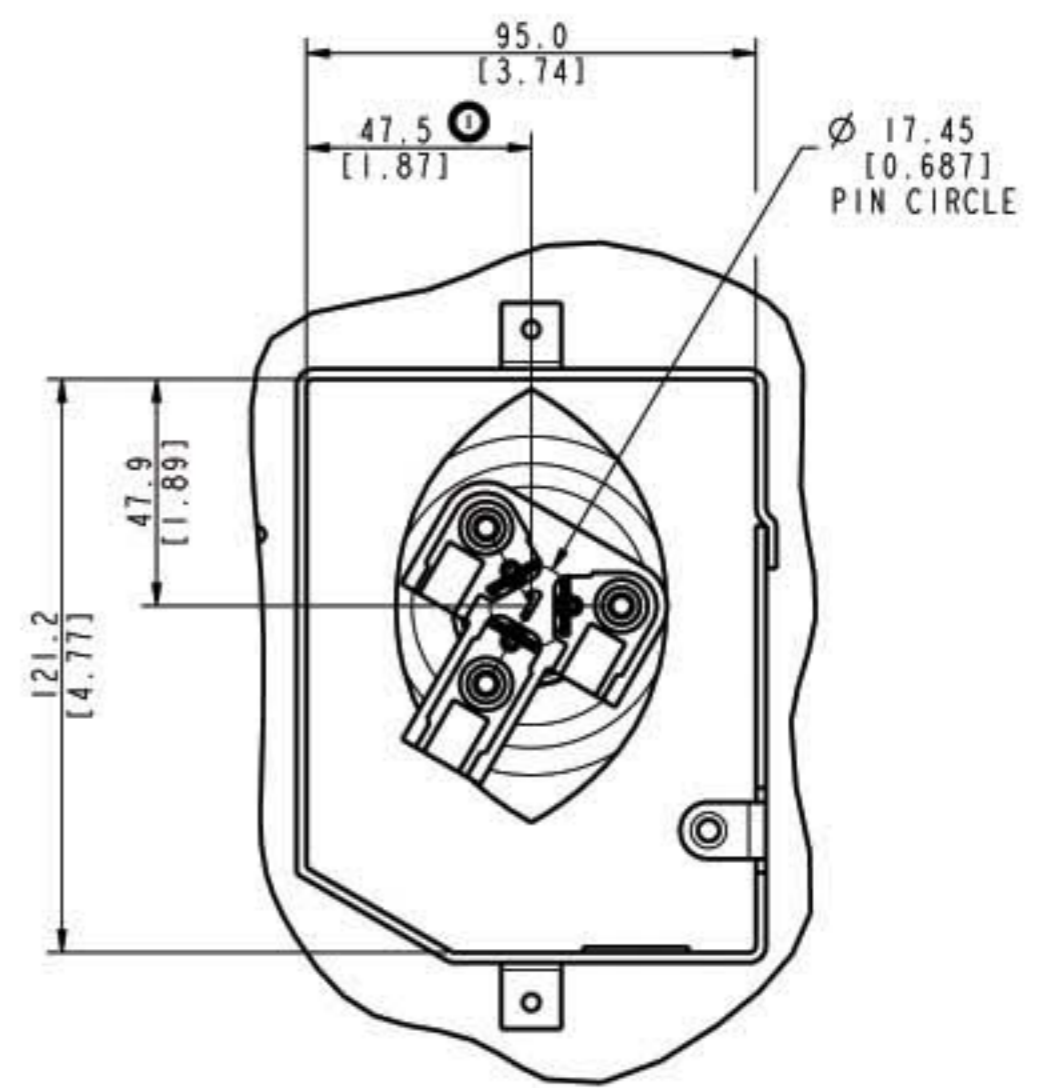
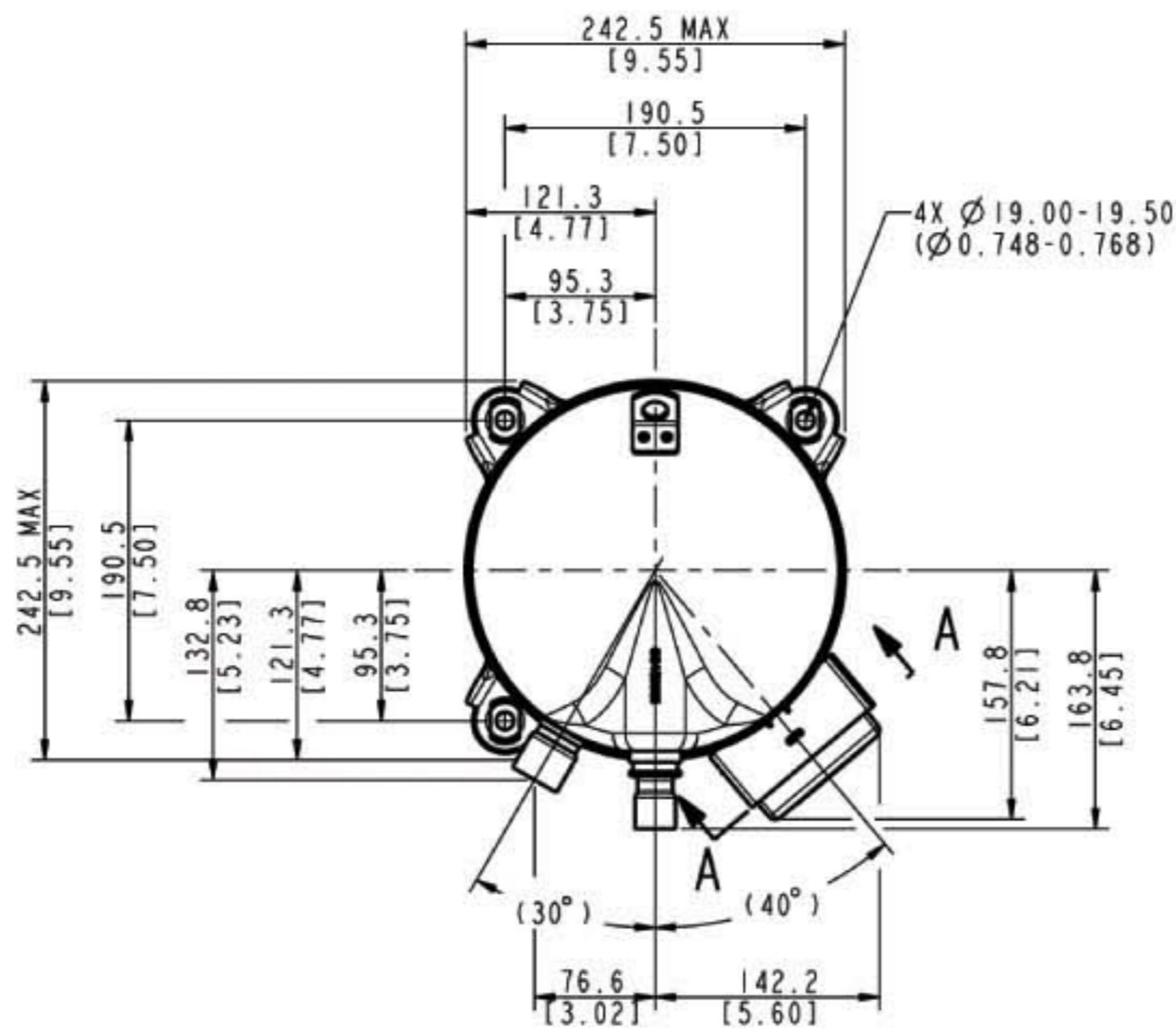
SEE DETAIL F



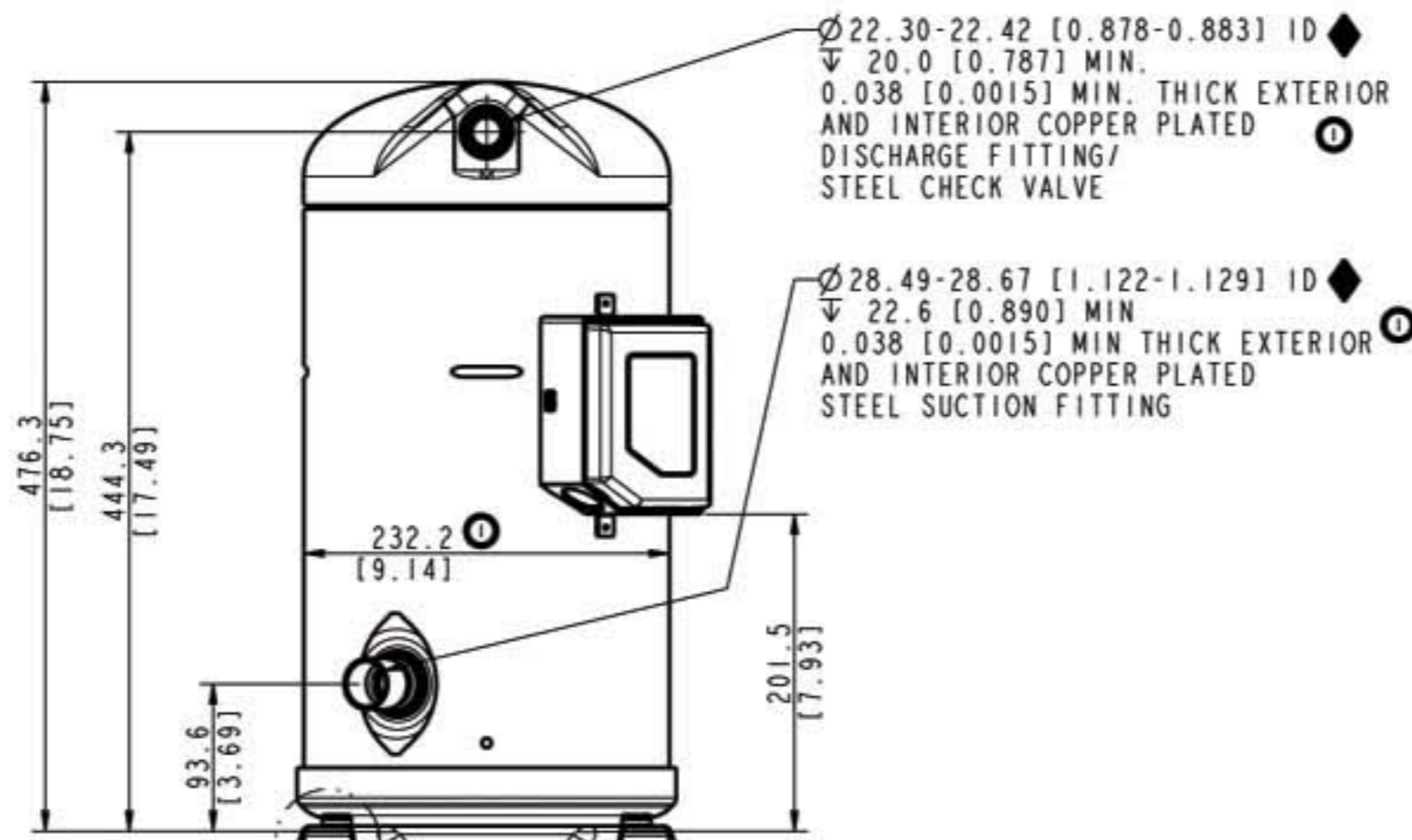
尺寸规格 >>

商用系列 >> 谷轮常规柔性涡旋系列

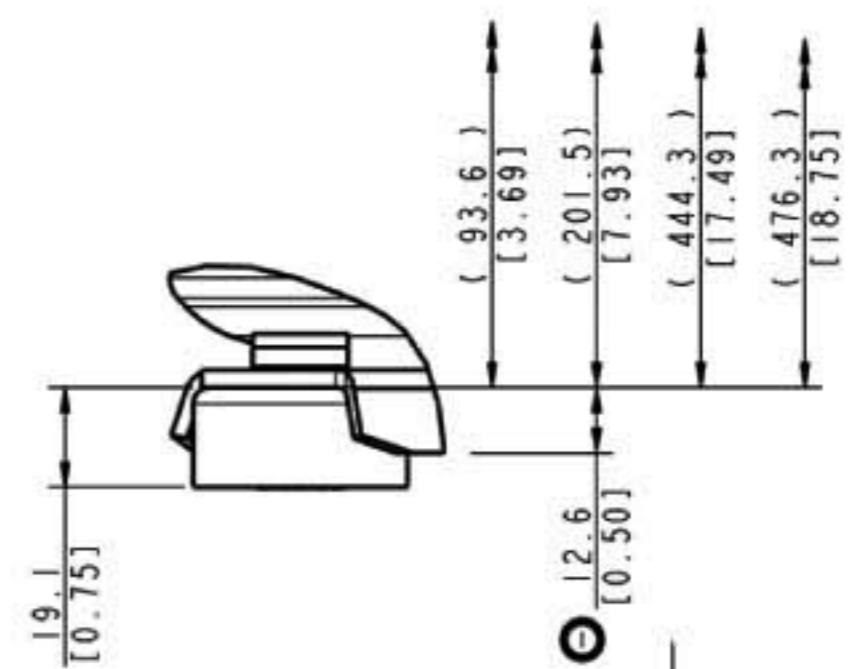
型号名	∅ A
VR84KS-TFP	17.45 [0.687]
VR94KS-TFP	17.45 [0.687]
VR84KSE-TFP	17.45 [0.687]
VR94KSE-TFP	17.45 [0.687]



T-BOX LAYOUT STANDARD
SECTION A-A
SCALE 1:1



SEE DETAIL FOOT



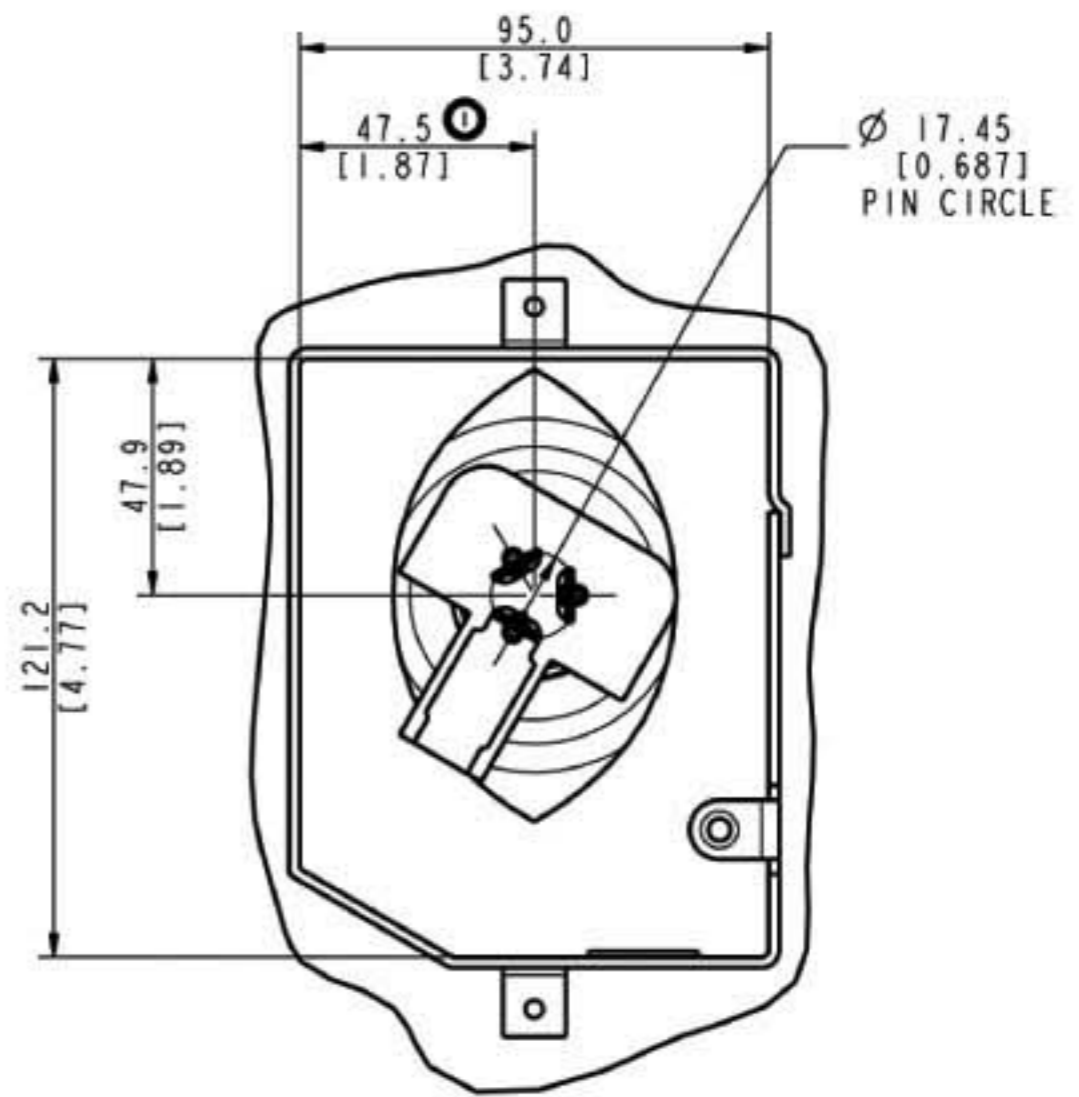
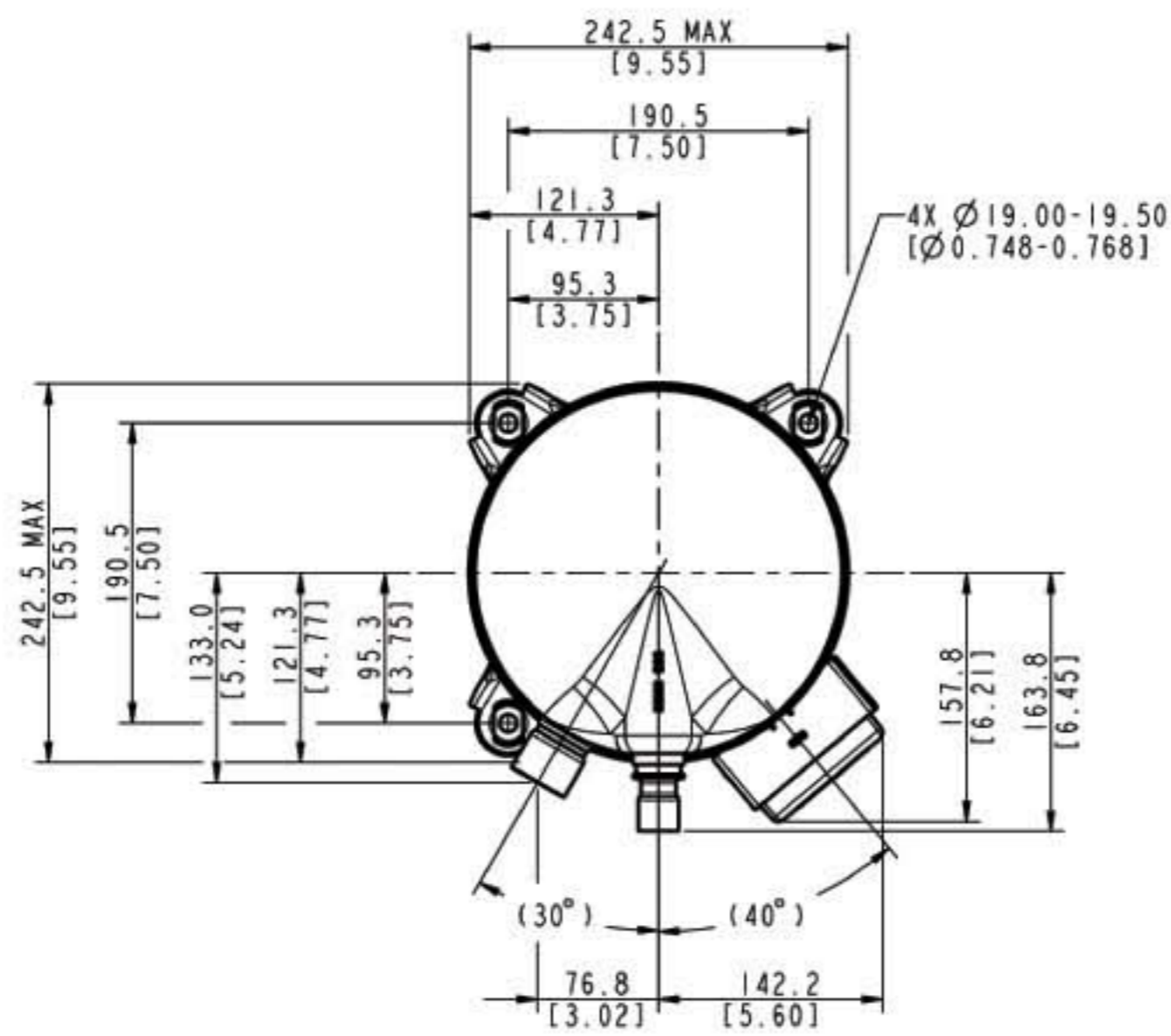
DETAIL FOOT
SCALE 1:1



尺寸规格 >>

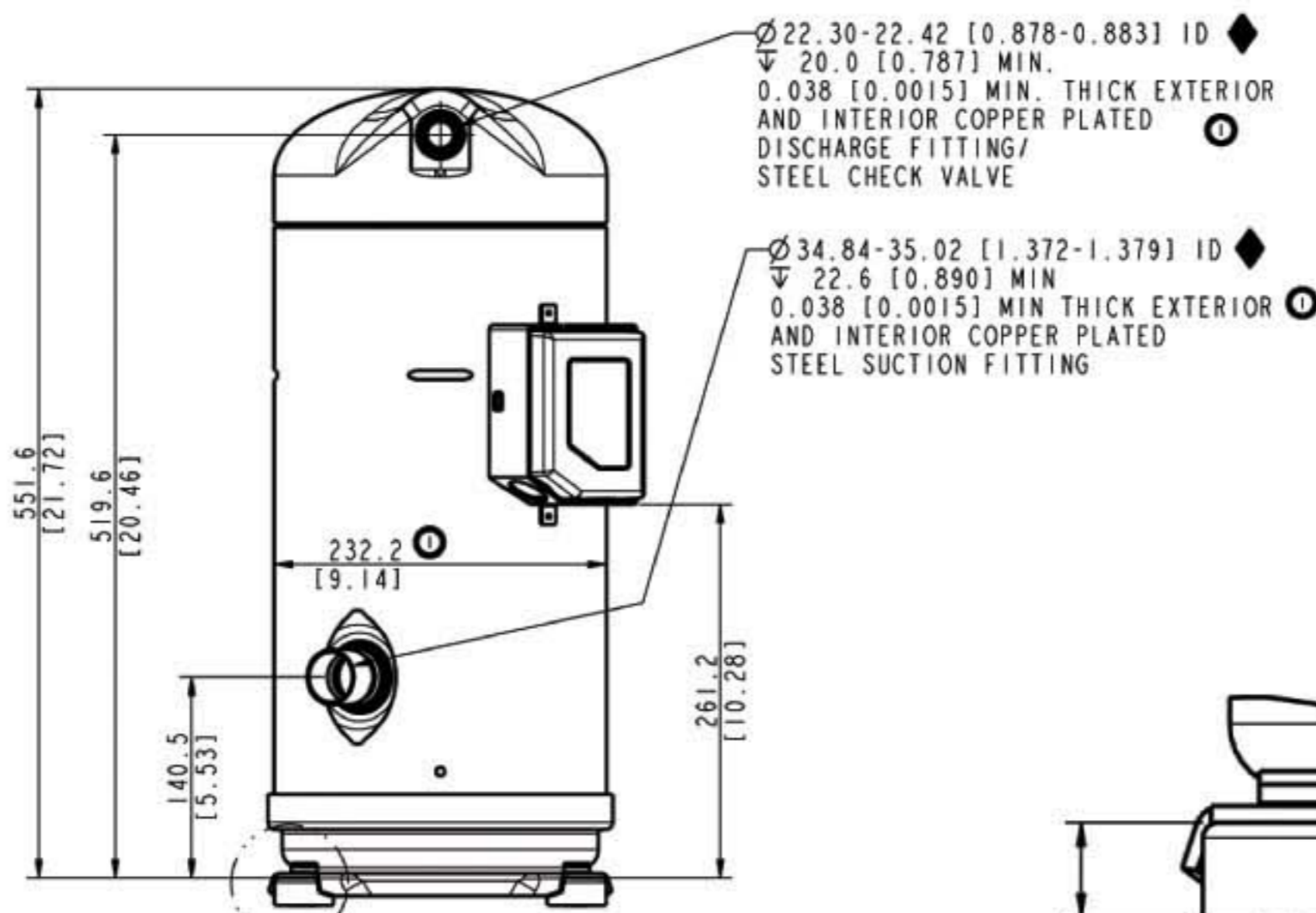
商用系列 >> 谷轮常规柔性涡旋系列

型号名	∅ A
VR160KS-TFP	17.45 [0.687]
VR190KS-TFP	17.45 [0.687]
VR160KSE-TFP	17.45 [0.687]
VR190KSE-TFP	17.45 [0.687]

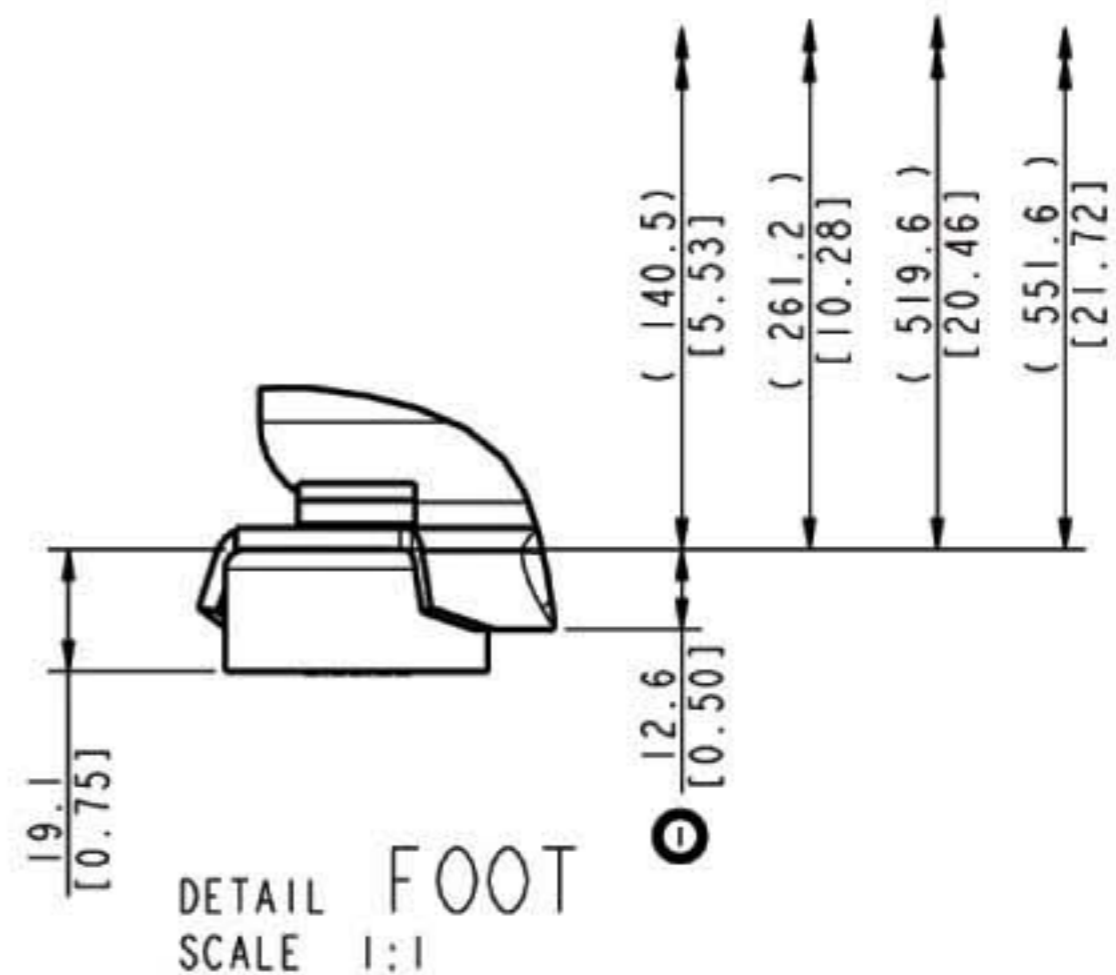


T-BOX LAYOUT STANDARD

SECTION A-A
SCALE 1:1



SEE DETAIL FOOT



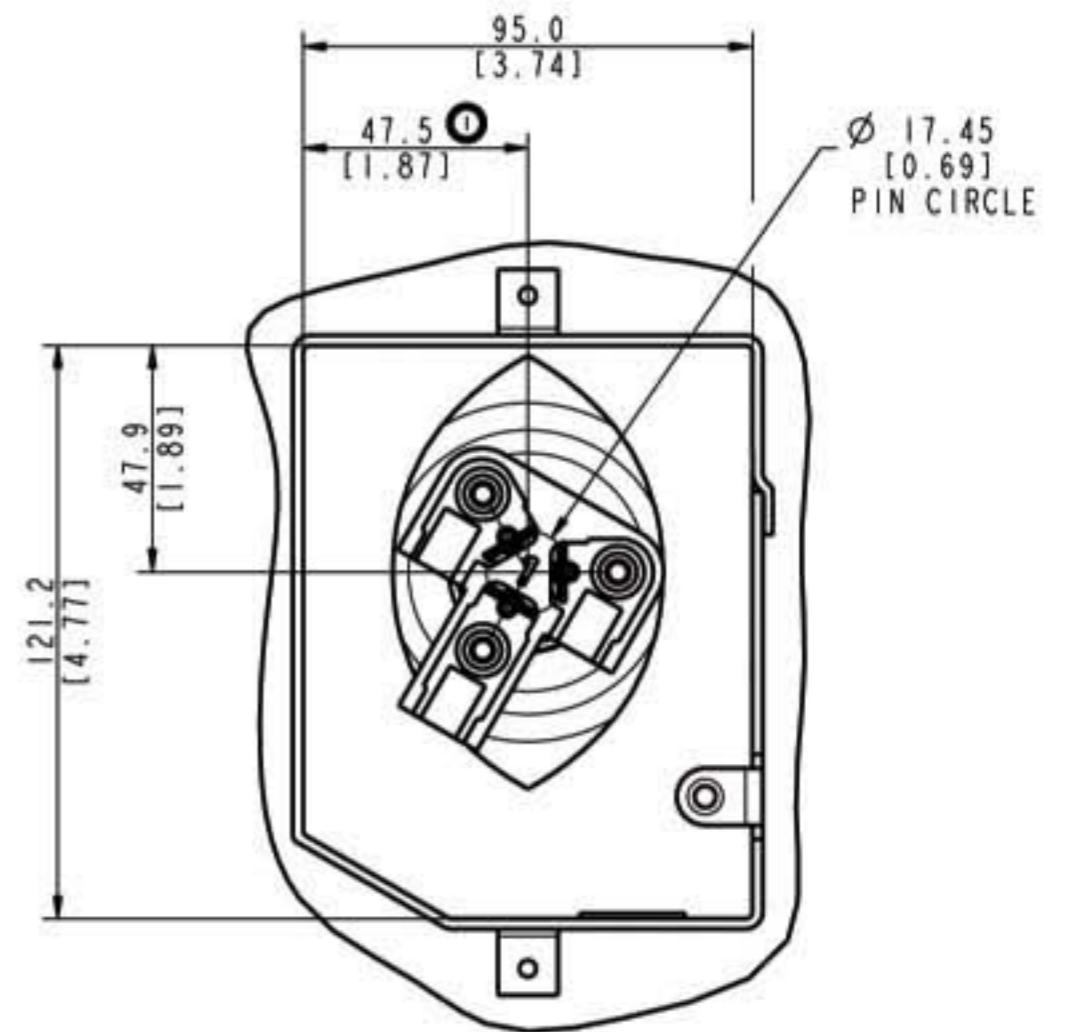
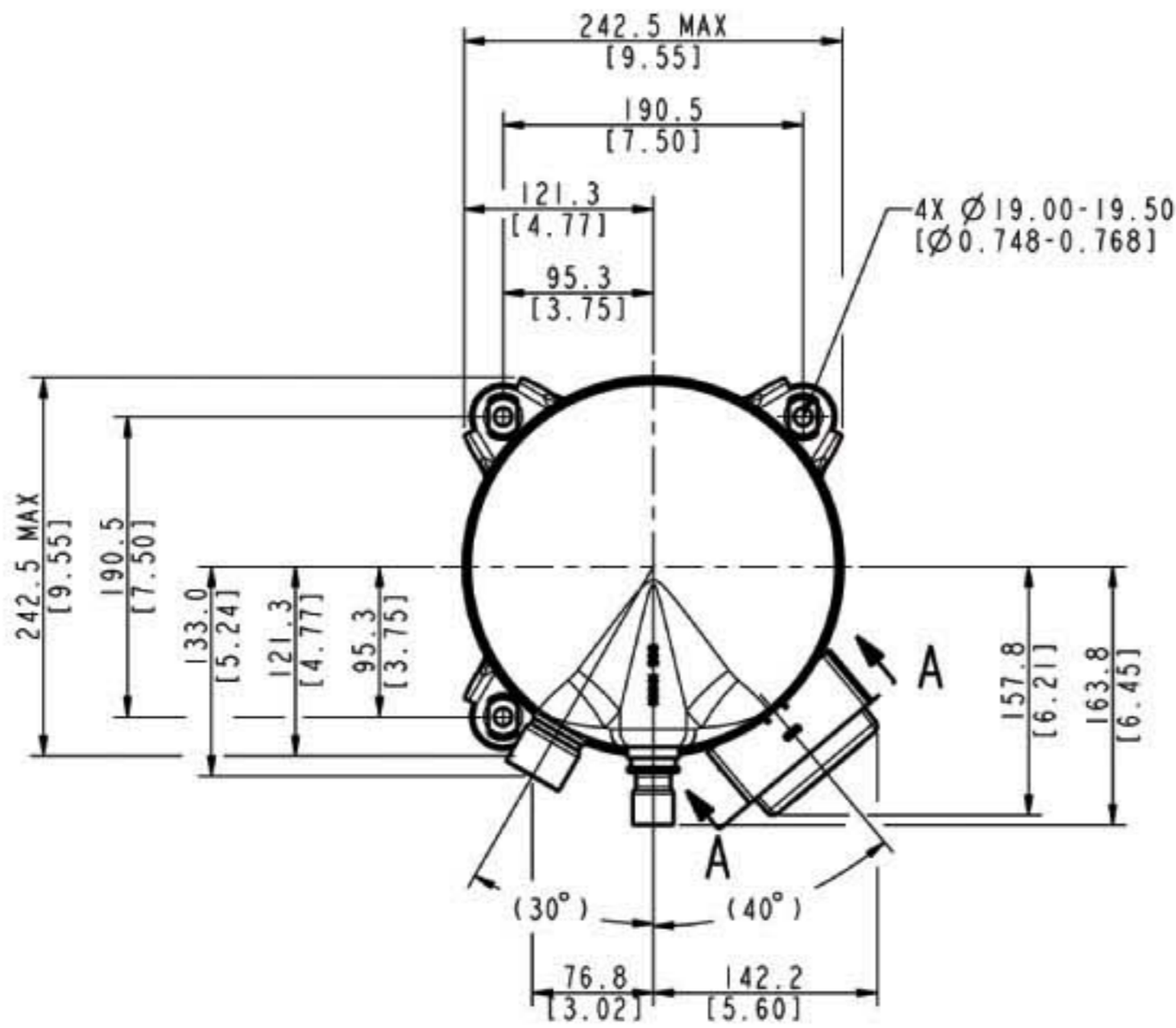
DETAIL FOOT
SCALE 1:1



尺寸规格 >>

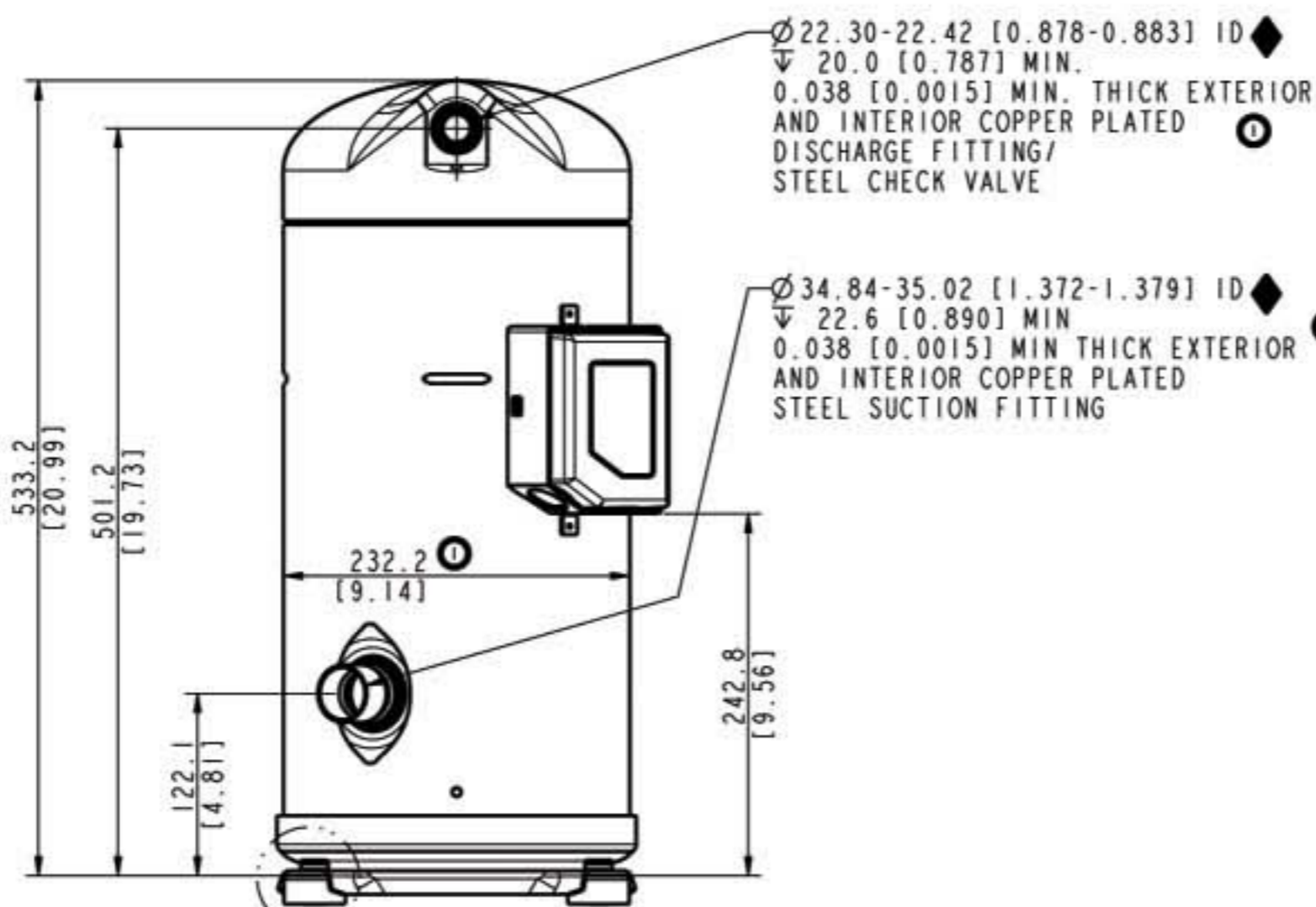
商用系列 >> 谷轮常规柔性涡旋系列

型号名	∅ A
VR108KSE-TFP	17.45 [0.69]
VR108KS-TFP	17.45 [0.687]
VR125KS-TFP	17.45 [0.687]
VR144KS-TFP	17.45 [0.687]
VR125KSE-TFP	17.45 [0.687]
VR144KSE-TFP	17.45 [0.687]

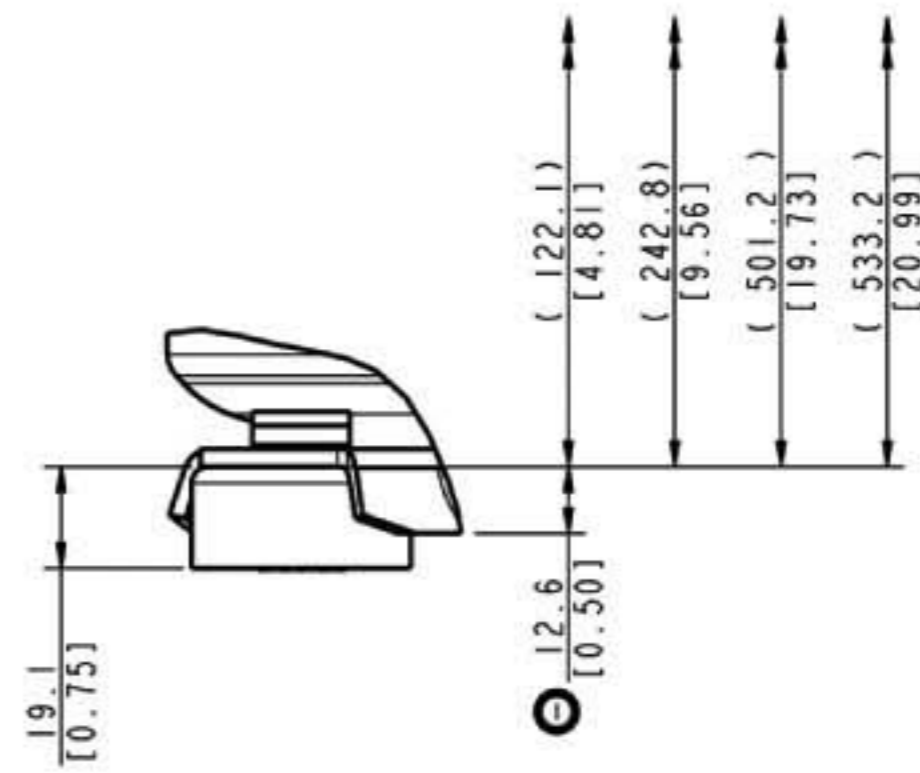


T-BOX LAYOUT
STANDARD

SECTION A-A
SCALE 1:1



SEE DETAIL FOOT

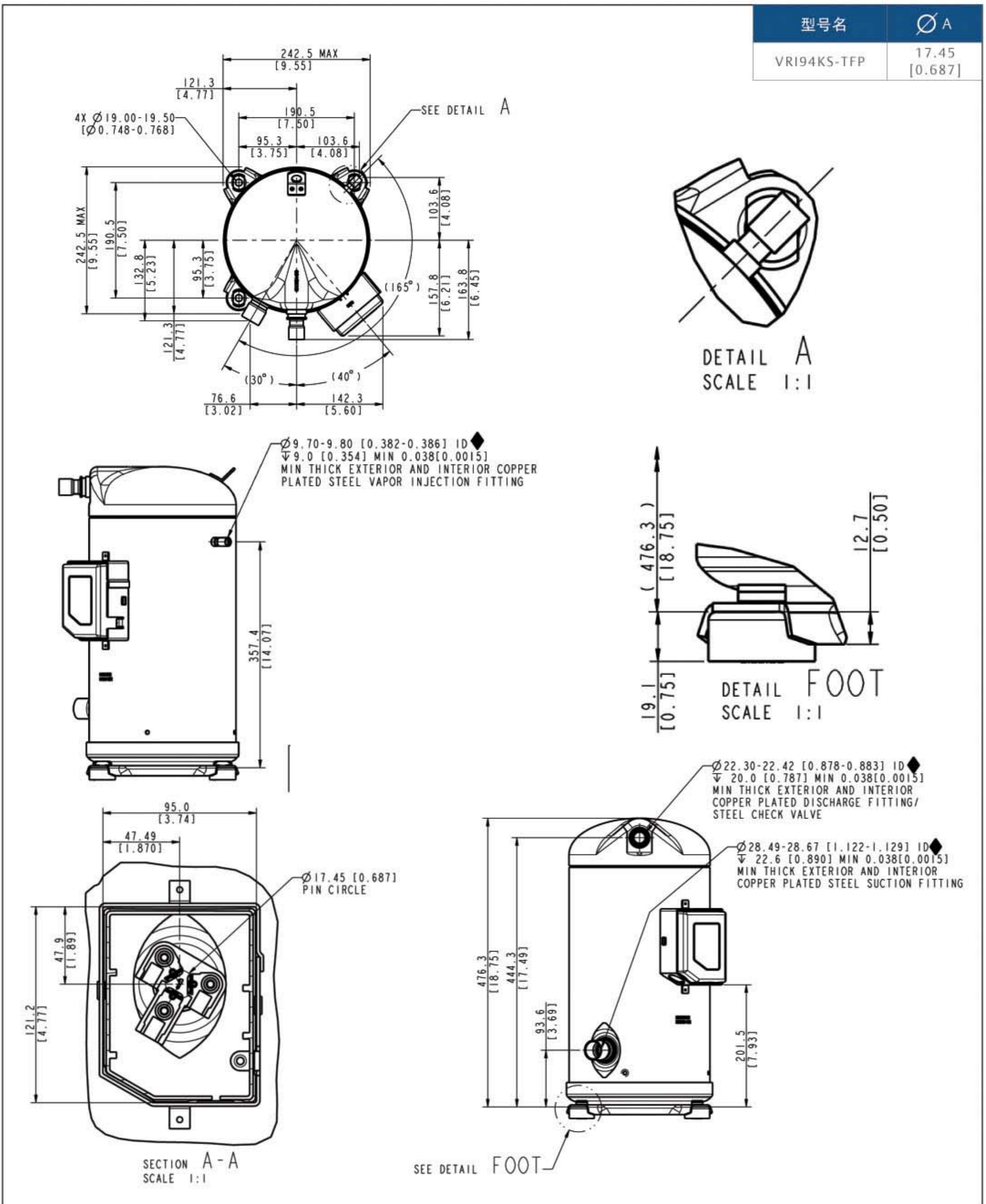


DETAIL FOOT
SCALE 1:1



尺寸规格 >>

商用系列 >> 谷轮高效强热涡旋系列

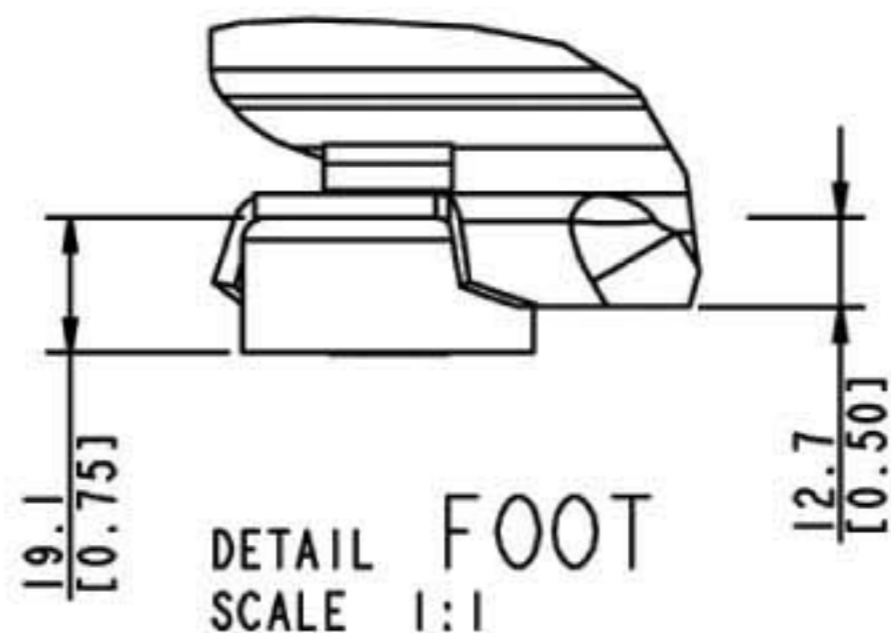
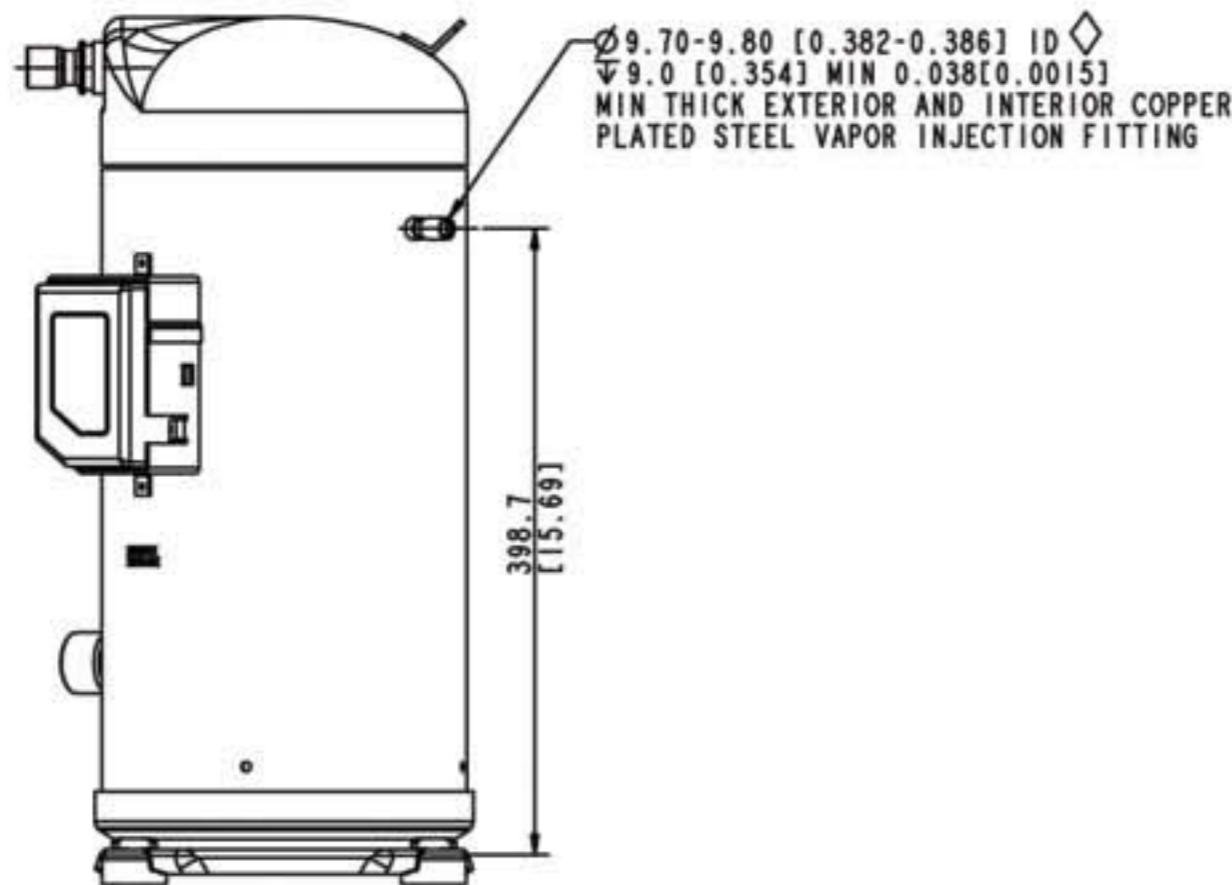
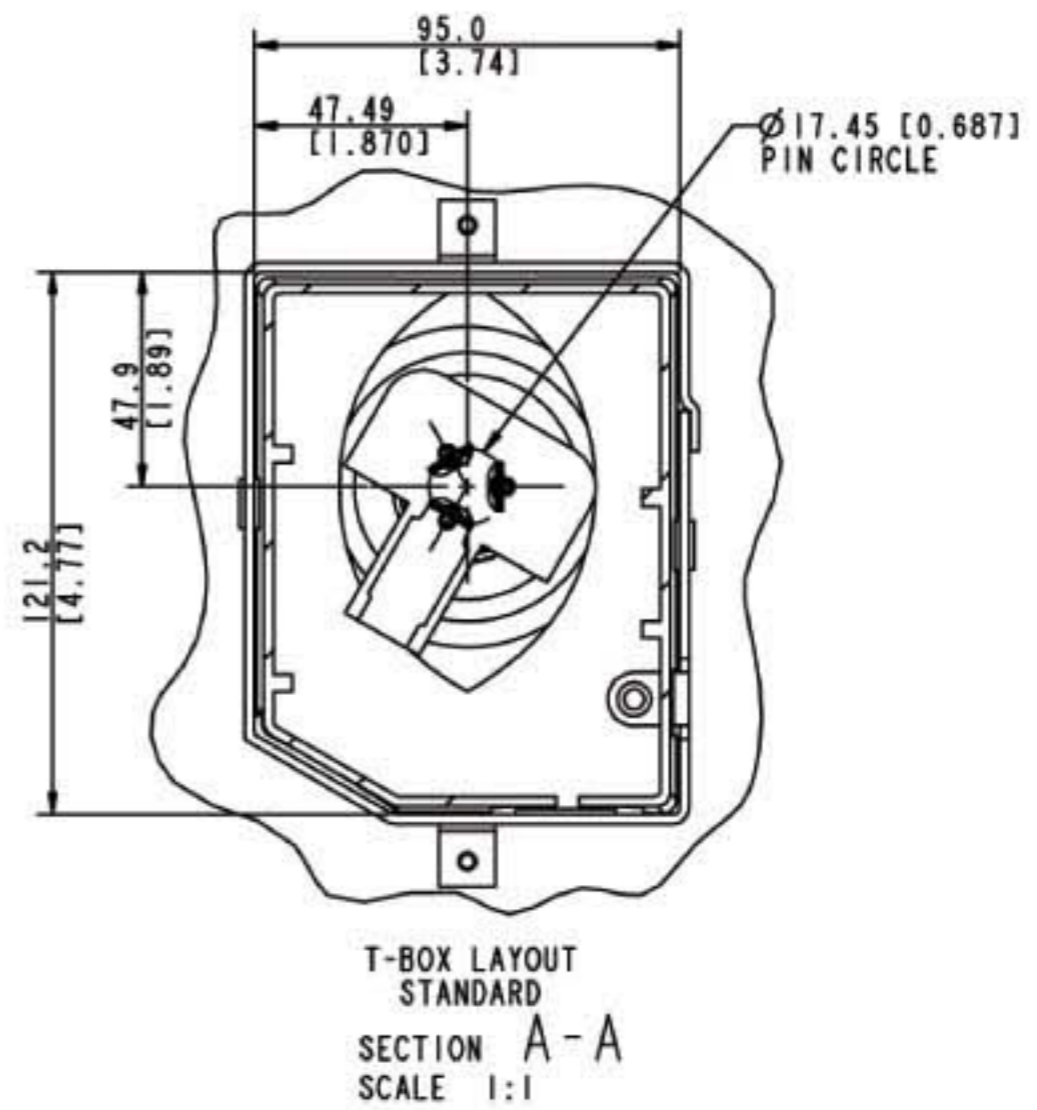
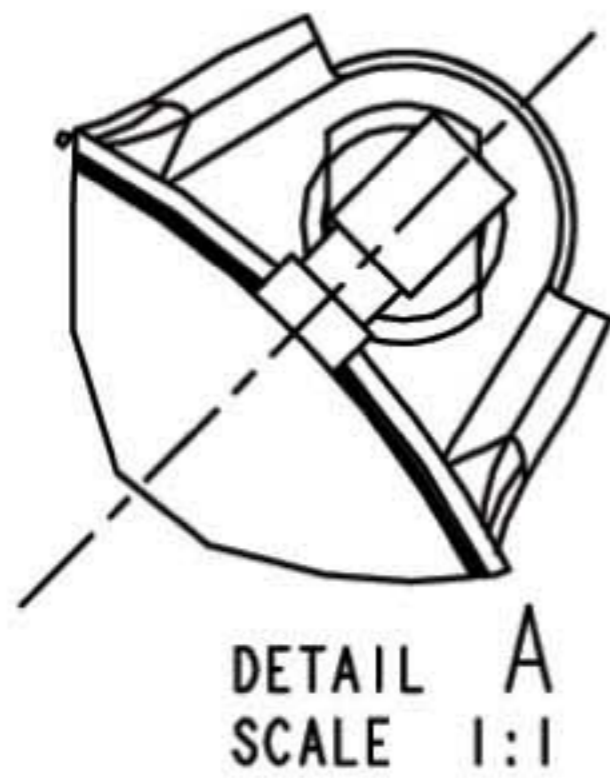
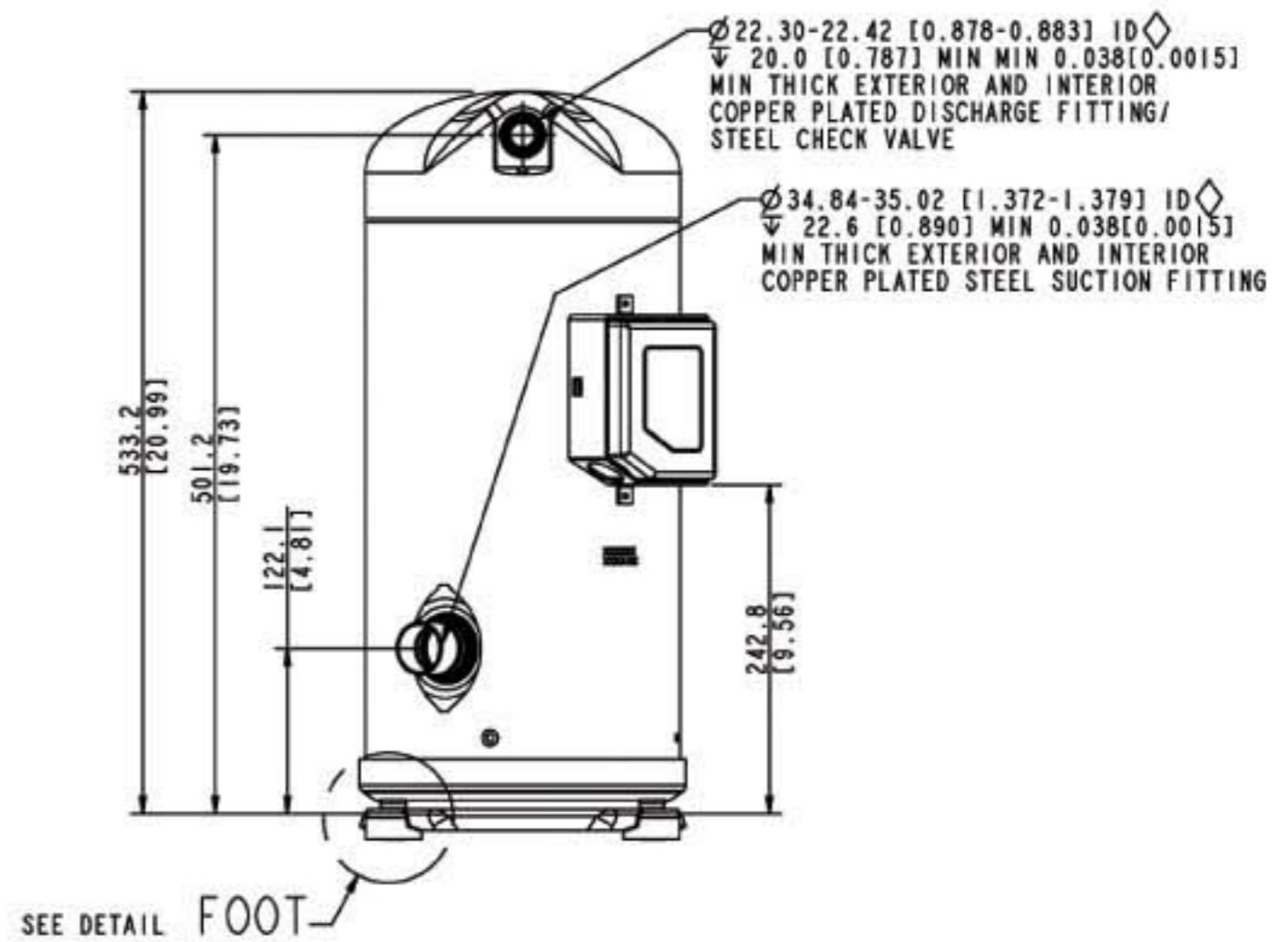
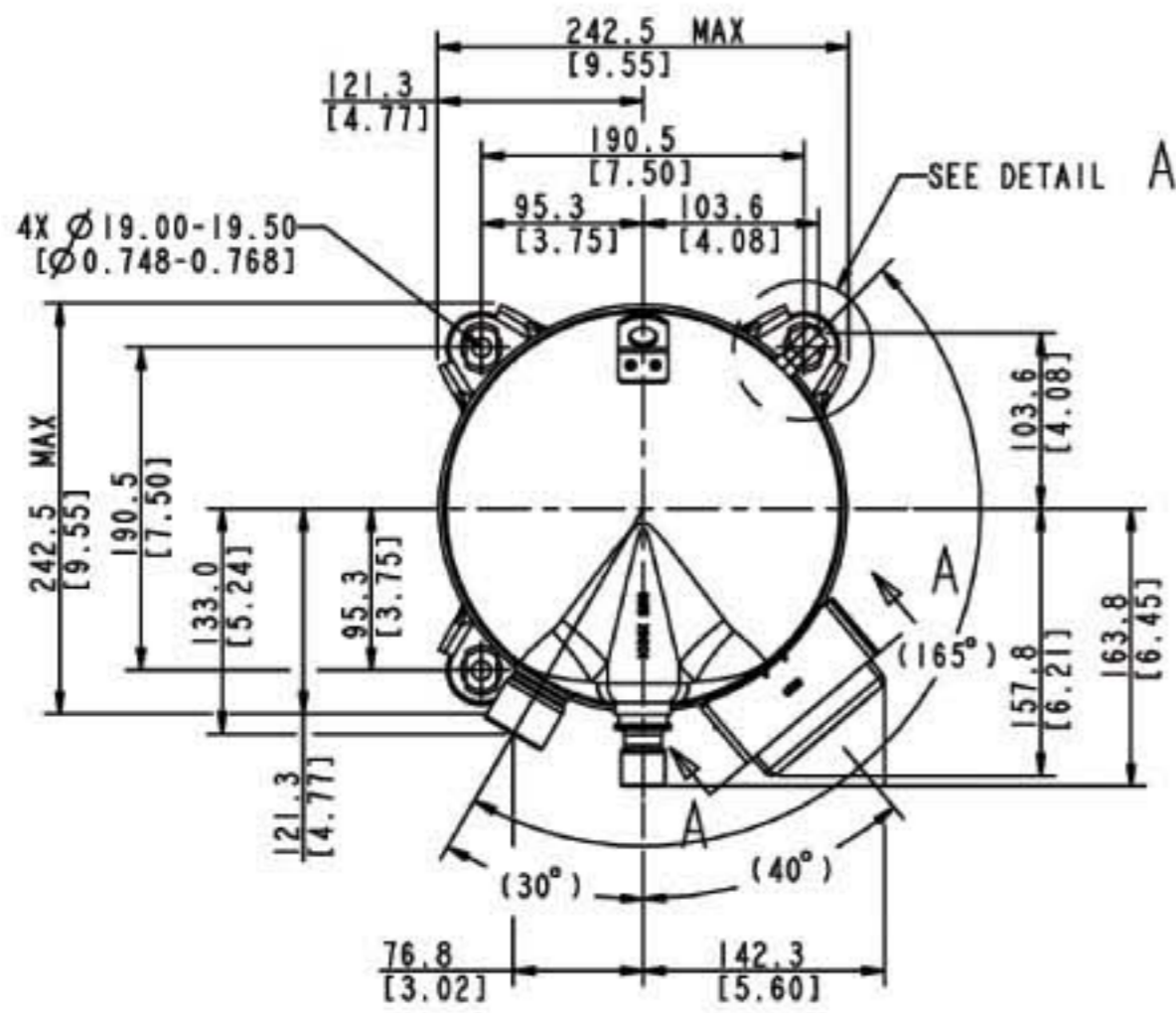




尺寸规格 >>

商用系列 >> 谷轮高效强热涡旋系列

型号名	∅ A
VRI108KS-TFP	17.45 [0.687]
VRI125KS-TFP	17.45 [0.687]
VRI144KS-TFP	17.45 [0.687]

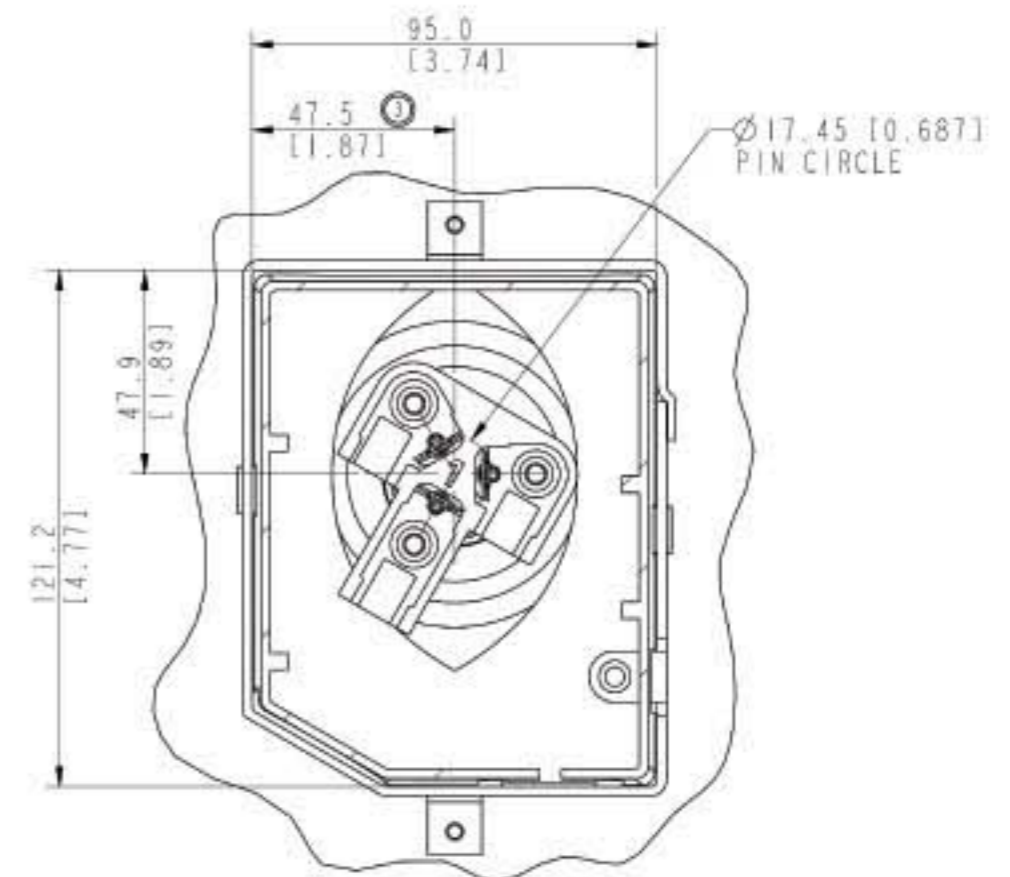
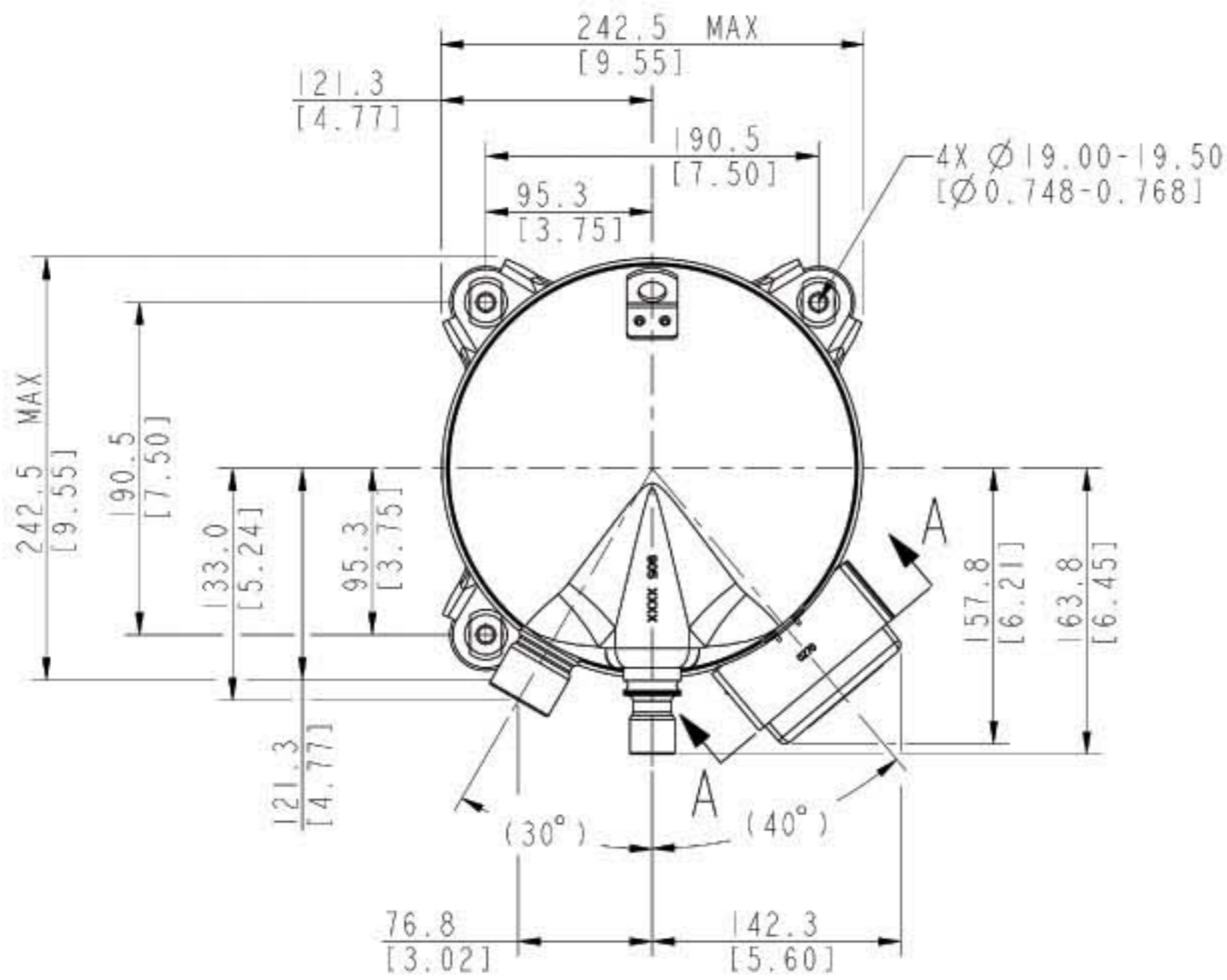




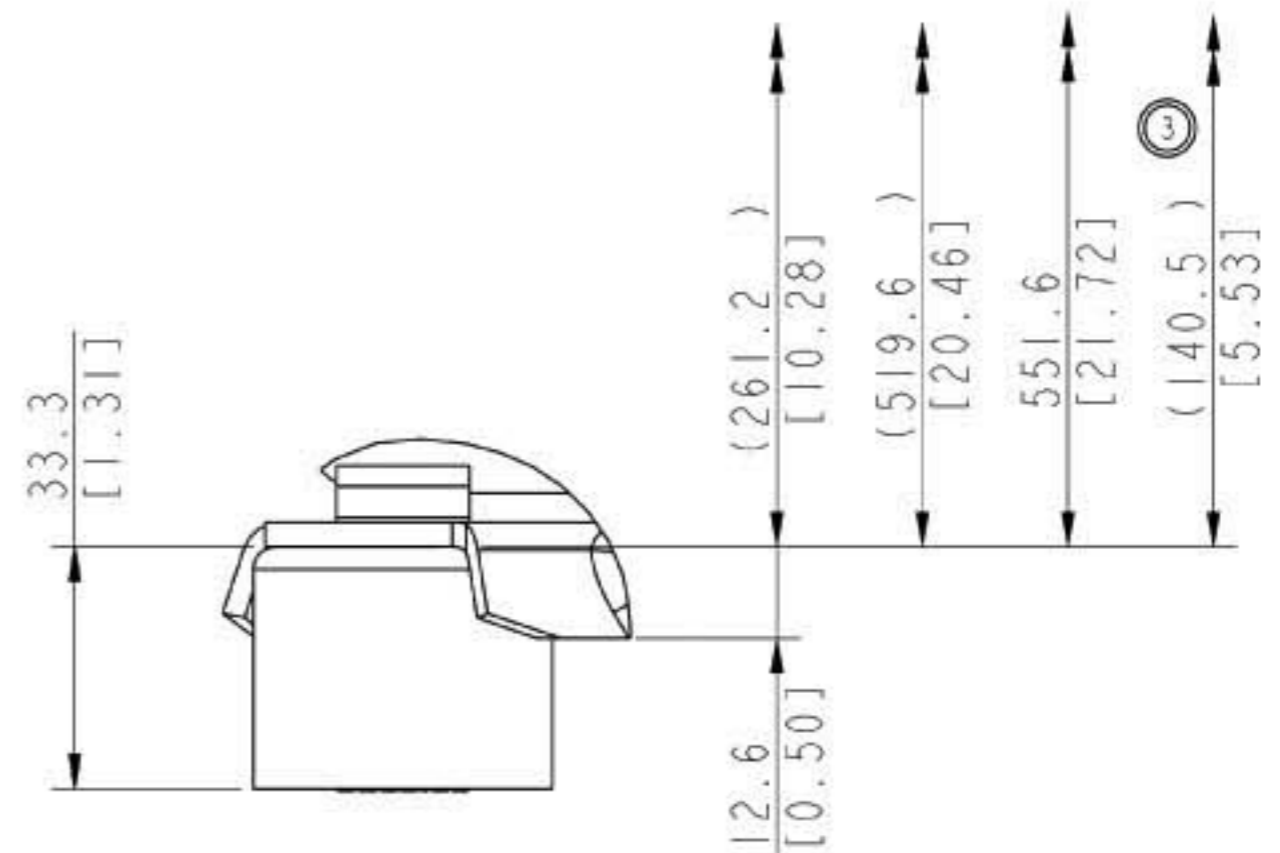
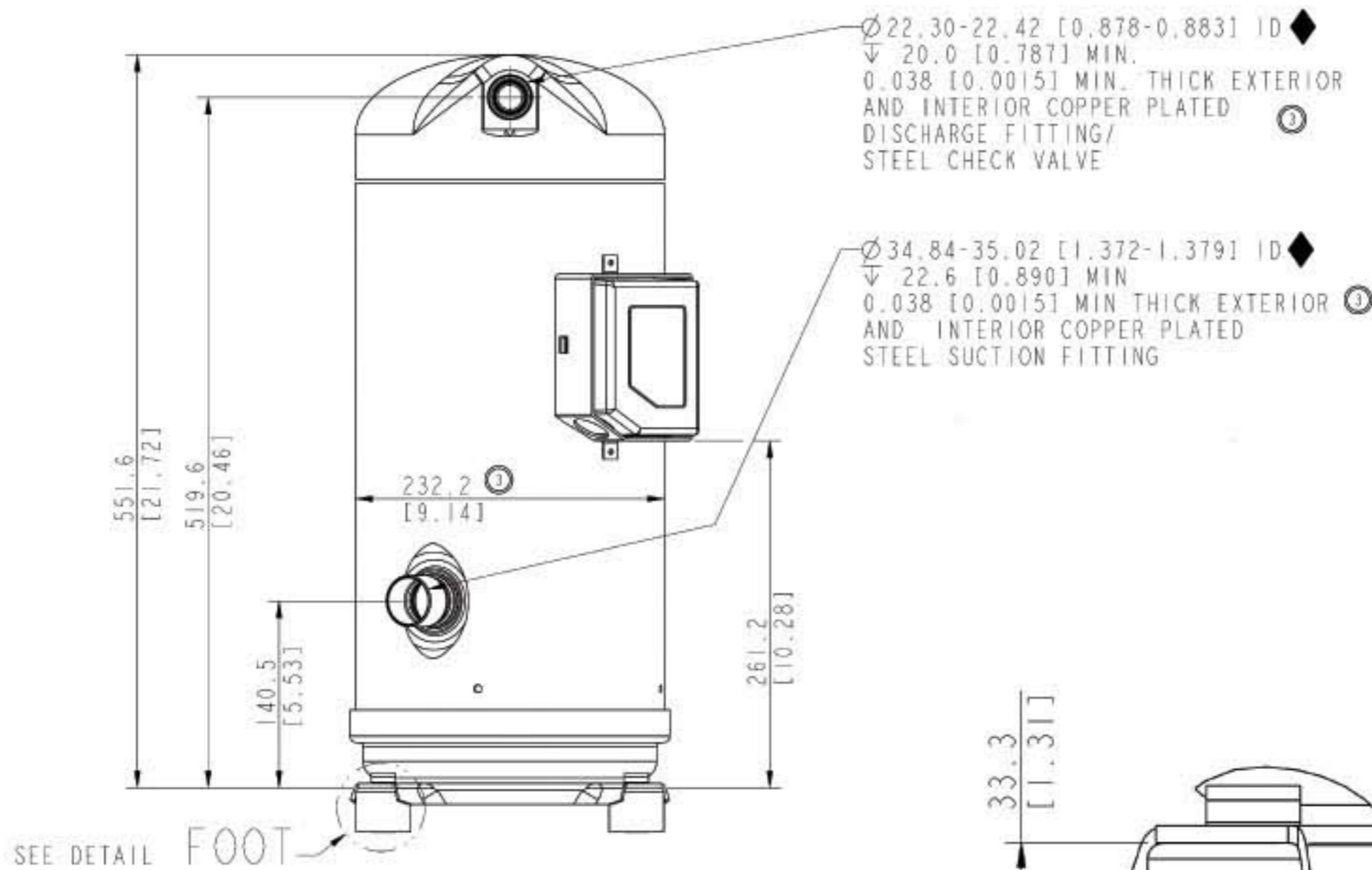
尺寸规格 >>

商用系列 >> 谷轮R410A新冷媒系列

型号名	∅ A
ZP154KCE-TFD	17.45 [0.687]
ZP182KCE-TFD	17.45 [0.687]



T-BOX LAYOUT STANDARD
SECTION A-A
SCALE 1:1



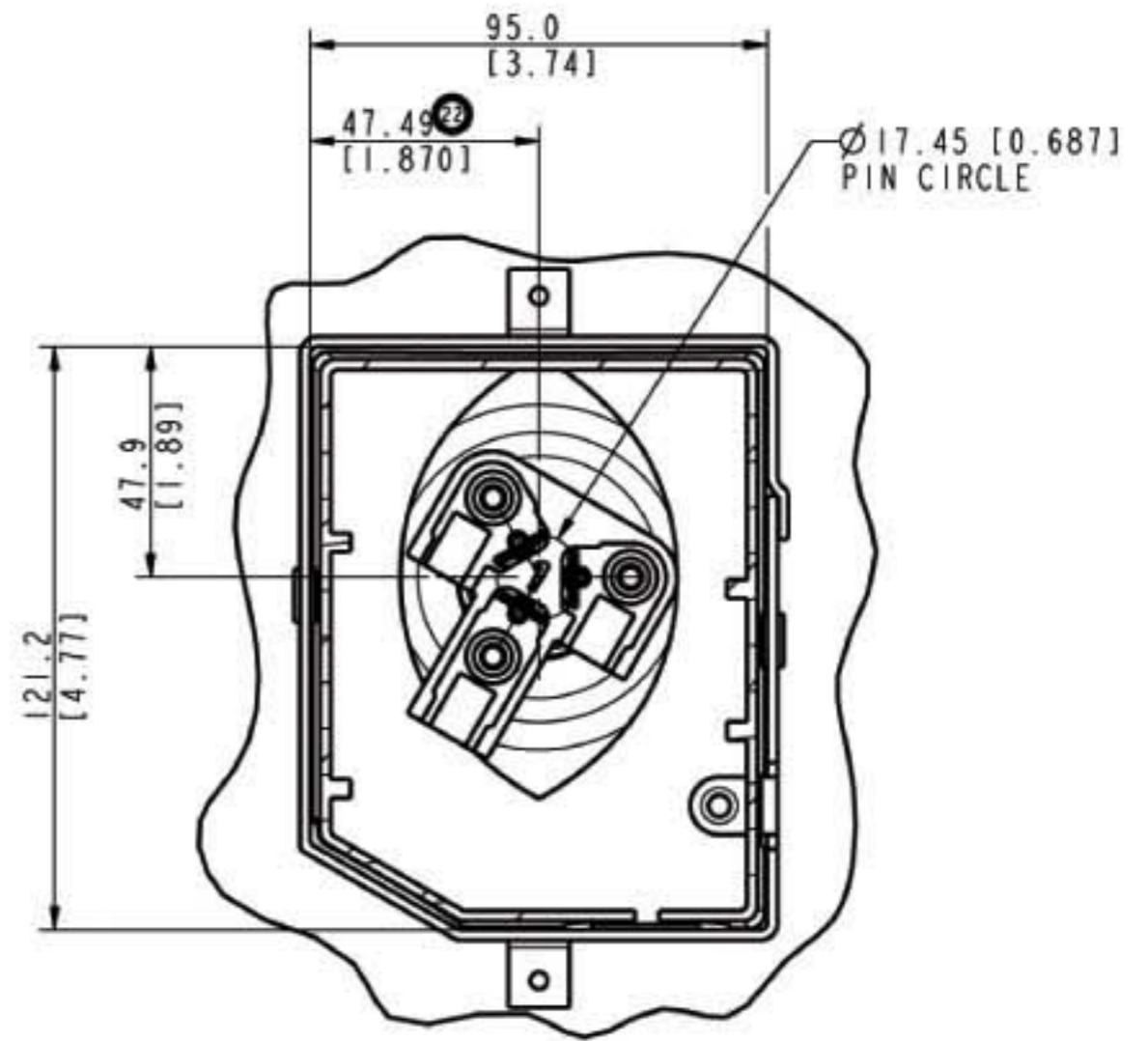
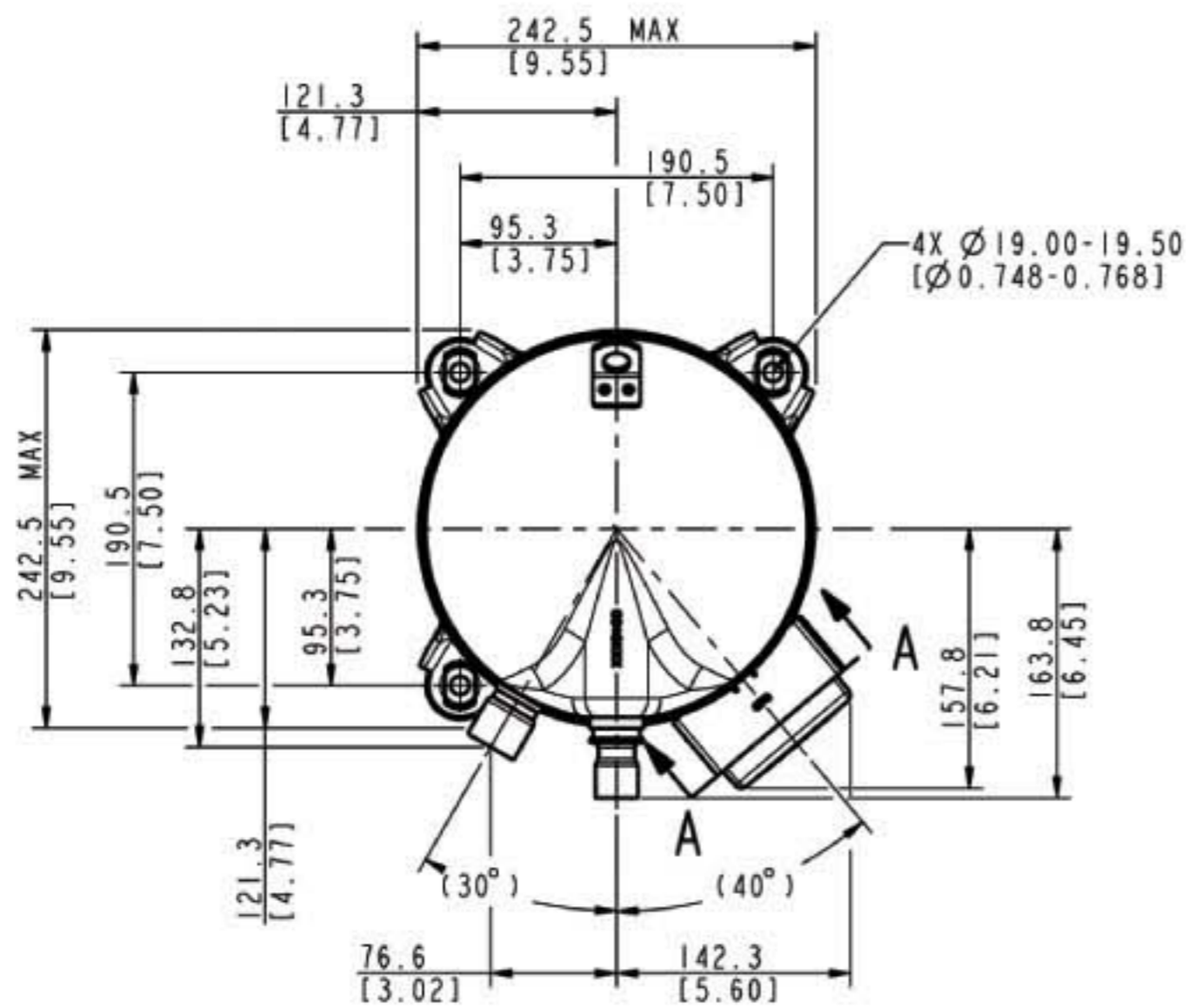
DETAIL FOOT
SCALE 1:1



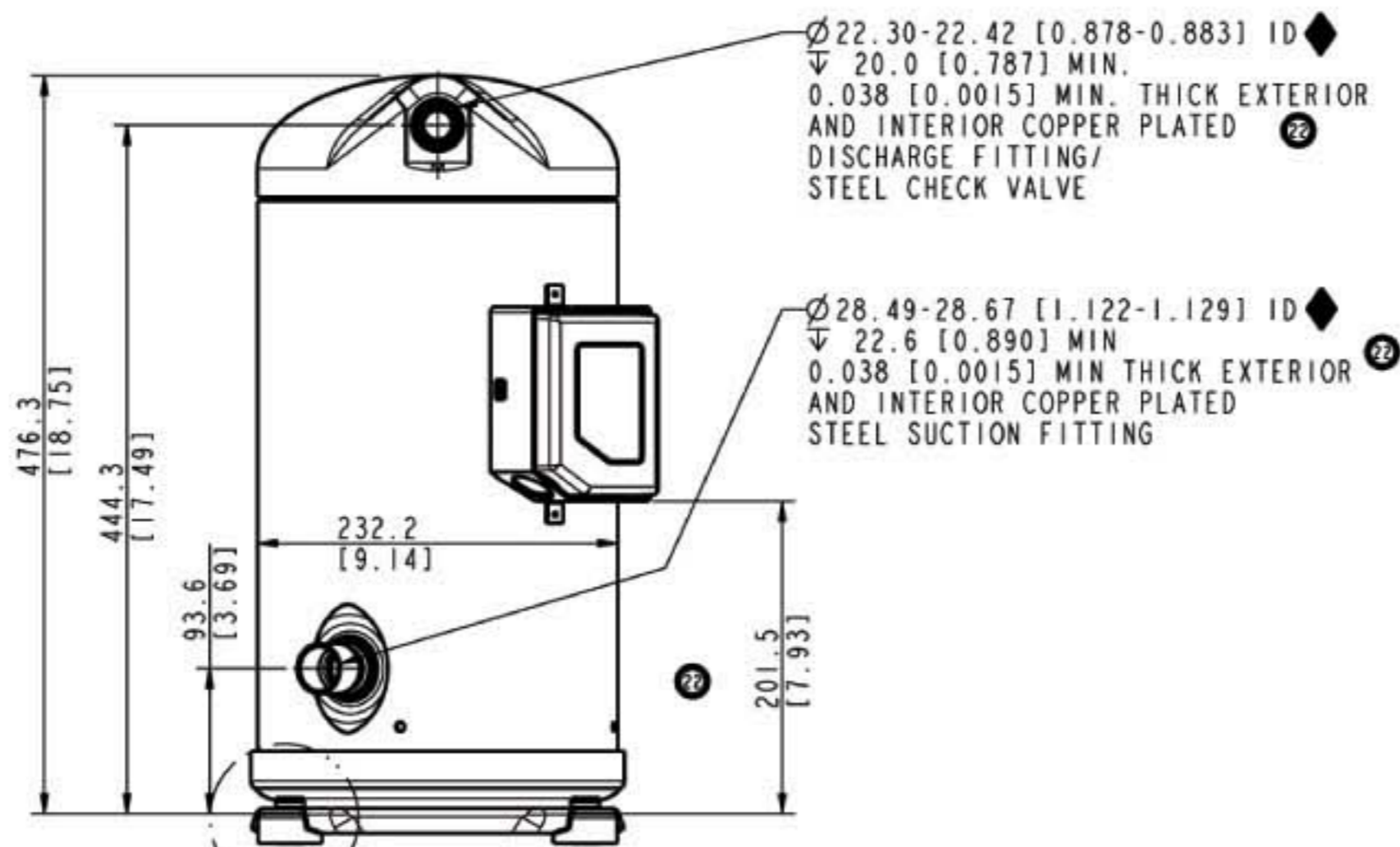
尺寸规格 >>

商用系列 >> 谷轮R410A新冷媒系列

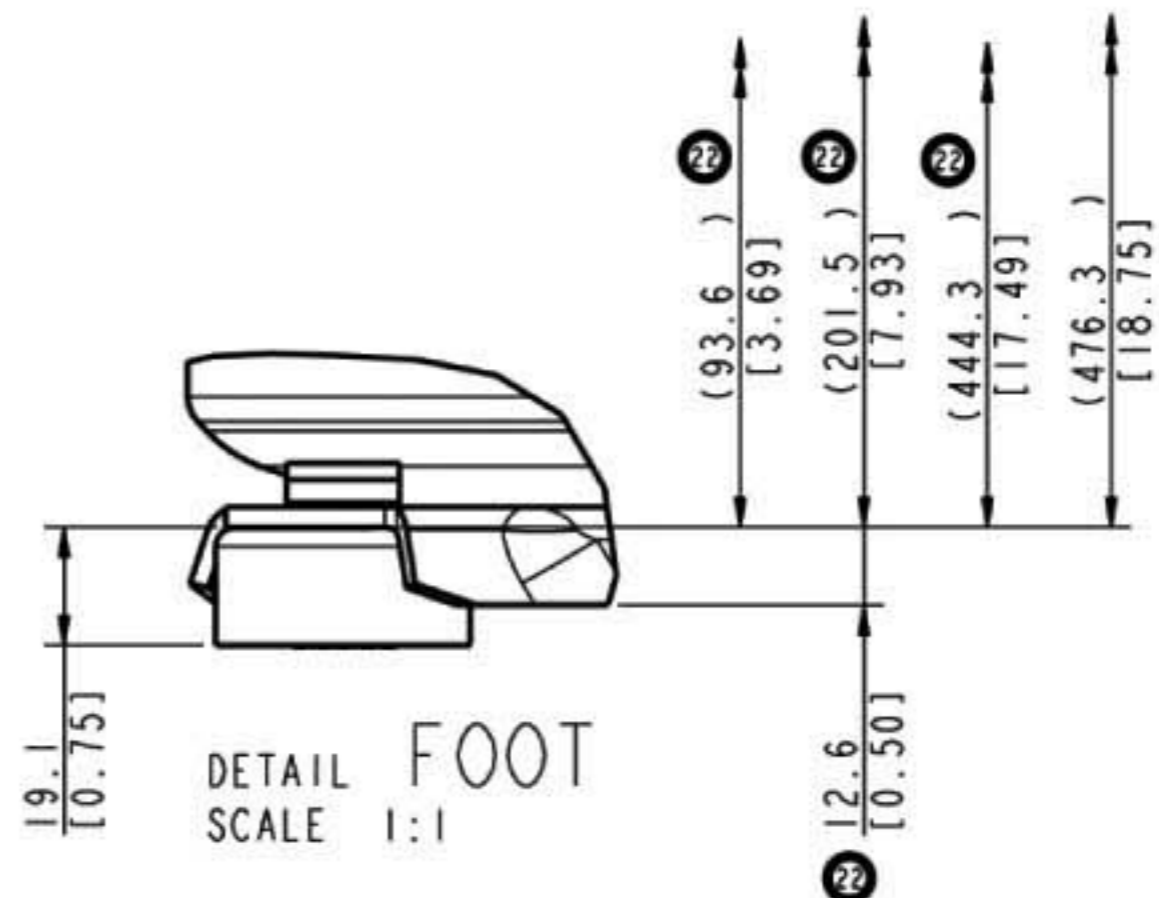
型号名	∅ A
ZP90KCE-TFD	17.45 [0.687]



T-BOX LAYOUT
STANDARD
SECTION A-A
SCALE 1:1



SEE DETAIL FOOT



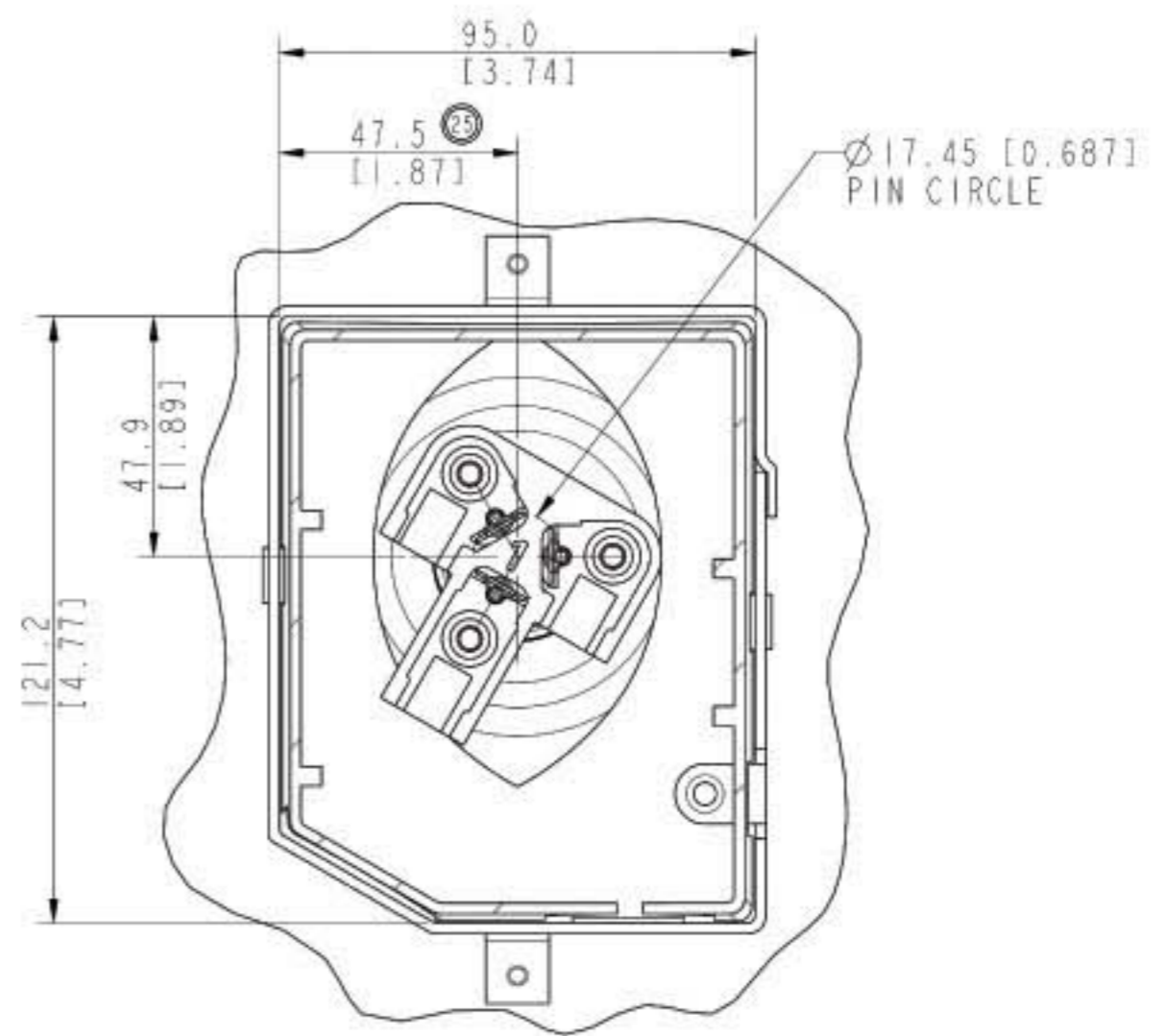
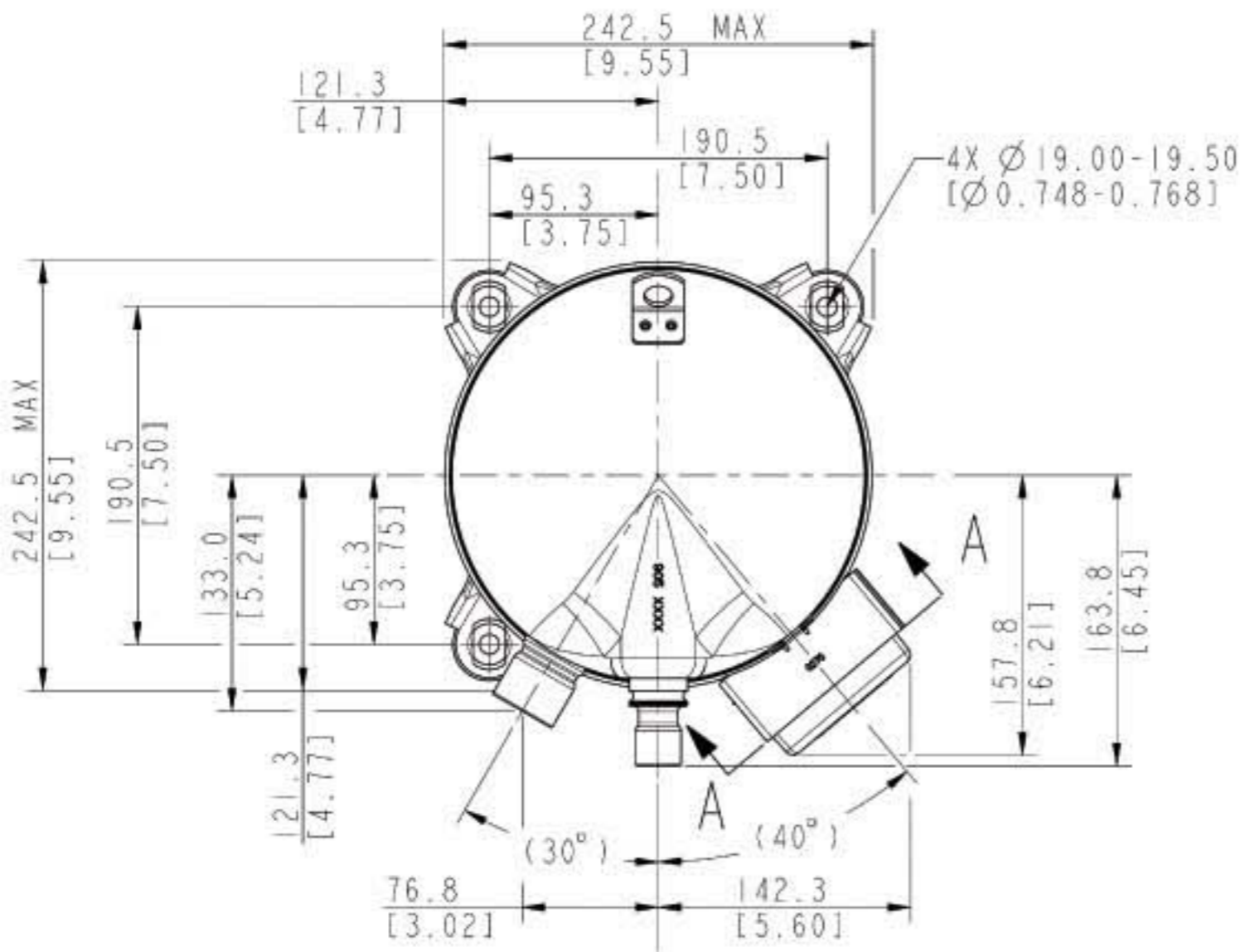
DETAIL FOOT
SCALE 1:1



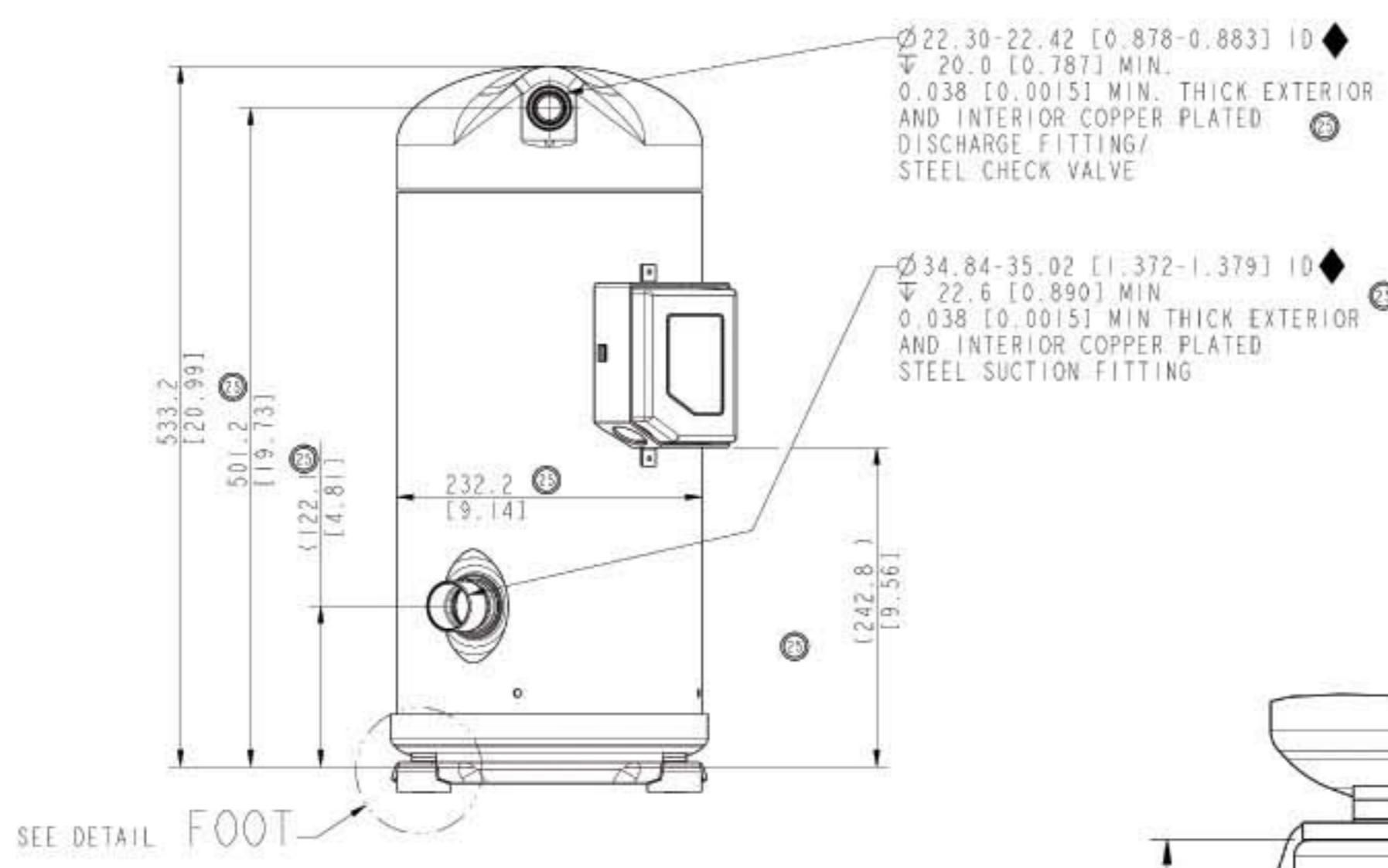
尺寸规格 >>

商用系列 >> 谷轮R410A新冷媒系列

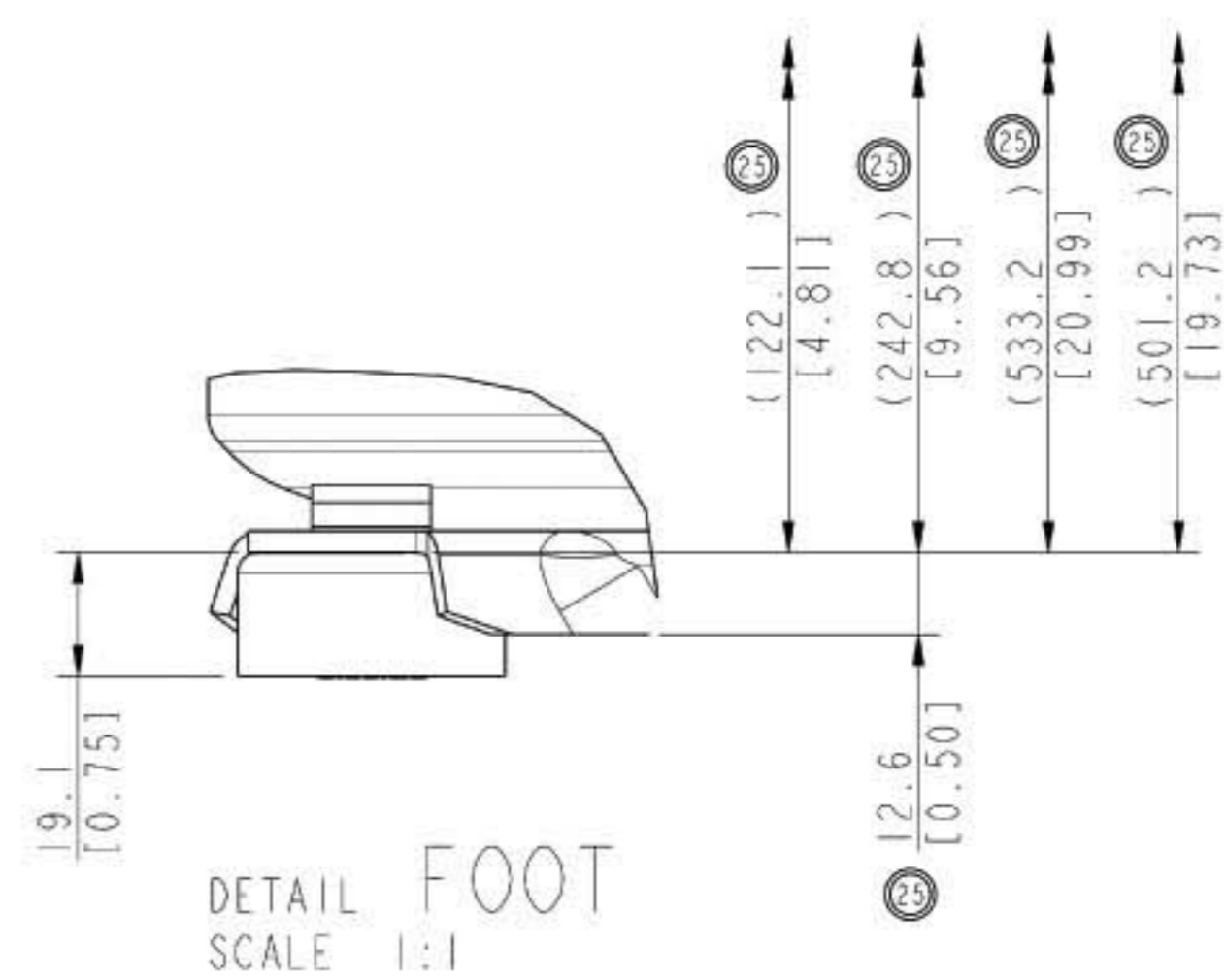
型号名	∅ A
ZP103KCE-TFD	17.45 [0.687]
ZP120KCE-TFD	17.45 [0.687]
ZP137KCE-TFD	17.45 [0.687]



T-BOX LAYOUT STANDARD
SECTION A-A
SCALE 1:1



SEE DETAIL FOOT



DETAIL FOOT
SCALE 1:1

命名规则 >>





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