

YVF2 系列变频调速三相异步电动机

YVF2 SERIES FREQUENCY VARIABLE AND SPEED REGULATION THREE PHASE ASYNCHRONOUS MOTOR

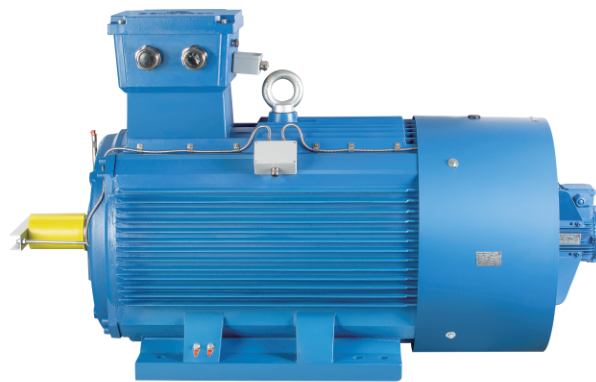
产品介绍 PRODUCT INTRODUCTION

YVF2系列变频调速三相异步电动机，是变频器驱动的三相异步电动机。电动机采用单独的轴流风机作为冷却风源，大于100kW的电机采用强制通风机作为冷却风源，保证了电动机在低频时的温升。

YVF2系列电动机能与国内外各种变频装置相配套，所组成的调速系统具有节能明显、调速范围广、过载能力强、低速性能好等特点，可广泛应用于冶金、矿山、石化、纺织、轻工、造纸等场合。

YVF2 series variable frequency speed regulating three-phase asynchronous motor is a three-phase asynchronous motor driven by frequency converter. The motor uses a separate axial fan as the cooling air source, and the motor more than 100kW uses Forced ventilator, which ensures the temperature rise of the motor at low frequency.

The YVF2 series motor function is matched with various frequency conversion devices at home and abroad, and the speed control system composed of it has the characteristics of obvious energy saving, wide speed control range, strong cross-cutting ability, good low-speed performance, etc., which can be widely used in metallurgy, mining, petrochemical, textile, light industry, papermaking and other occasions.



型号 Type	标称功率 Output		额定电压 Rated Voltage V	标称电流 Current A	额定转矩 Rated Torque N.m	恒转矩调速范围 Constant torque speed range Hz	恒功率调速范围 Constant power speed range Hz	堵转转矩/ 额定转矩 Tst/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Ist/In	重量 Weight kg
	kW	HP									
同步转速 3000r/min (2极) Synchronous Speed 3000r/min (2pole)											
YVF2-80M1-2	0.75	1	380	1.9	2.4	5~50	50~60	2.2	2.8	9	16
YVF2-80M2-2	1.1	1.5		2.68	3.5						17
YVF2-90S-2	1.5	2		3.51	48						21
YVF2-90L-2	2.2	3		4.93	7.0						25
YVF2-100L-2	3	4		6.4	9.6						32
YVF2-112M-2	4	5.5		8.3	12.7						41
YVF2-132S1-2	5.5	7.5		11.2	17.5						66
YVF2-132S2-2	7.5	10		14.9	23.9						67
YVF2-160M1-2	11	15		21.4	35.0						100
YVF2-160M2-2	15	20		28.9	47.8						118
YVF2-160L-2	18.5	25		35.4	58.9						137
YVF2-180M-2	22	30		41.8	70.0						170
YVF2-200L1-2	30	40		56.5	95.5						225
YVF2-200L2-2	37	50		69.3	117.8						250
YVF2-225M-2	45	60		83.8	143.3						290
YVF2-250M-2	55	75		102	175.1			404			
YVF2-280S-2	75	100		138	238.8			512			
YVF2-280M-2	90	125		165	286.5			558			

YVF2 技术参数 TECHNICAL DATA

型号 Type	标称功率 Output		额定电压 Rated Voltage V	标称电流 Current A	额定转矩 Rated Torque N.m	恒转矩调速范围 Constant torque speed range Hz	恒功率调速范围 Constant power speed range Hz	堵转转矩/ 额定转矩 Tst/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Ist/In	重量 Weight kg
	kW	HP									
同步转速 3000r/min (2极) Synchronous Speed 3000r/min (2pole)											
YVF2-315S-2	110	150	380V	199	350.2	5~50	50~60	1.7	2.8	9	924
YVF2-315M-2	132	180		238	420.2						1050
YVF2-315L1-2	160	220		285	509.3						1080
YVF2-315L-2	185	250		329	588.9						1090
YVF2-315L2-2	200	270		355	636.7						1100
YVF2-355M1-2	220	300		391	700.3						1560
YVF2-355M2-2	250	340		444	795.8						1610
YVF2-355L1-2	280	380		497	891.3						1700
YVF2-355L2-2	315	430		560	1002.8						1740
同步转速 1500r/min (4极) Synchronous Speed 1500r/min (4pole)											
YVF2-80M1-4	0.55	0.75	380V	1.61	3.5	5~50	50~100	2.2	2.8	9.0	16
YVF2-80M2-4	0.75	1		2.08	48						17
YVF2-90S-4	1.1	1.5		2.89	7.0						21
YVF2-90L-4	15	2		3.78	9.6						25
YVF2-100L1-4	2.2	3		5.2	14.0						34
YVF2-100L2-4	3	4		6.9	19.1						35
YVF2-112M-4	4	5.5		9.0	25.5						45
YVF2-132S-4	5.5	75		12.0	35.0						67
YVF2-132M-4	7.5	10		16.0	47.8						80
YVF2-160M-4	11	15		23.0	70.0						116
YVF2-160L-4	15	20		30.6	95.5						135
YVF2-180M-4	18.5	25		37.0	117.8						174
YVF2-180L-4	22	30		43.7	140.1						190
YVF2-200L-4	30	40		59.1	191.0						251
YVF2-225S-4	37	50		71.7	235.6						288
YVF2-225M-4	45	60		86.7	286.5						296
YVF2-250M-4	55	75		106	350.2						415
YVF2-280S-4	75	100		141	477.5						538
YVF2-280M-4	90	125		167	573.0						646
YVF2-315S-4	110	150		201	700.3						917
YVF2-315M-4	132	180		241	840.4						1088
YVF2-315L1-4	160	220		288	1018.7			1105			
YVF2-315L-4	180	250		333	1177.8			1115			
YVF2-315L2-4	200	270		359	1273.3			1240			
YVF2-355M1-4	220	300		395	1400.7		1520				
YVF2-355M2-4	250	340		449	1591.7		1598				
YVF2-355L1-4	280	380		503	1782.7		1680				
YVF2-355L2-4	315	430		566	2005.5		1820				
同步转速 1000r/min (6极) Synchronous Speed 1000r/min (6pole)											
YVF2-90S-6	0.75	1		2.26	7.2						21
YVF2-90L-6	1.1	1.5		3.16	10.5						25

YVF2 技术参数 TECHNICAL DATA

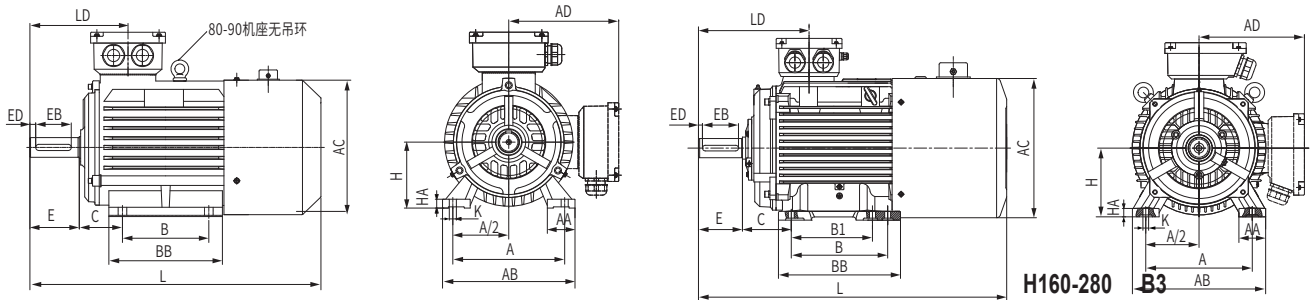
型号 Type	标称功率 Output		额定电压 Rated Voltage V	标称电流 Current A	额定转矩 Rated Torque N.m	恒转矩调速范围 Constant torque speed range Hz	恒功率调速范围 Constant power speed range Hz	堵转转矩/ 额定转矩 Tst/Tn	最大转矩/ 额定转矩 Tmax/Tn	堵转电流/ 额定电流 Ist/In	重量 Weight kg
	kW	HP									
同步转速 1000r/min (6极) Synchronous Speed 1000r/min(6pole)											
YVF2-100L-6	1.5	2	380	4.21	14.3	5~50	50~100	1.9	2.8	9.0	34
YVF2-112M-6	2.2	3		6.0	21.0						40
YVF2-132S-6	3	4		7.9	287.						62
YVF2-132M1-6	4	5.5		10.1	38.2						72
YVF2-132M2-6	5.5	7.5		13.4	52.5						83
YVF2-160M-6	7.5	10		17.2	71.6						110
YVF2-160L-6	11	15		24.5	105.1						132
YVF2-180L-6	15	20		31.7	143.3						180
YVF2-200L1-6	18.5	25		39.7	176.7						227
YVF2-200L2-6	22	30		46.3	210.1						239
YVF2-225M-6	30	40		61.6	286.5						296
YVF2-250M-6	37	60		74.6	353.4						392
YVF2-280S-6	45	60		88.0	429.8						491
YVF2-280M-6	55	75		106	525.3						561
YVF2-315S-6	75	100		147	716.3			871			
YVF2-315M-6	90	125		173	859.5			996			
YVF2-315L1-6	110	150		211	1050.5			1060			
YVF2-315L2-6	132	180		249	1260.6			1106			
YVF2-355M1-6	160	220		301	1528.0			1500			
YVF2-355M2-6	185	250		348	17668			1545			
YVF2-355M3-6	200	270		376	1910.0			1640			
YVF2-355L1-6	220	300		413	2101.0			1690			
YVF2-355L2-6	250	340		470	2387.5			1810			
YVF2-355L3-6	280	380		526	2674.0			1850			
同步转速 750r/min (8极) Synchronous Speed 750r/min (8pole)											
YVF2-100L1-8	0.75	1	380	2.78	9.6	5~50	50~100	2	2.8	9.0	29
YVF2-100L2-8	1.1	1.5		3.64	14.0						31
YVF2-112M-8	1.5	2		4.64	19.1						40
YVF2-132S-8	2.2	3		6.3	28.0						54
YVF2-132M-8	3	4		8.1	38.2			65			
YVF2-160M1-8	4	5.5		11.2	50.9			91			
YVF2-160M2-8	5.5	7.5		14.7	70.0			98			
YVF2-160L-8	7.5	10		19.2	95.5			121			
YVF2-180L-8	11	15		27.4	140.1			166			
YVF2-200L-8	15	20		36.1	191.0			223			
YVF2-225S-8	18.5	25		43.5	235.6			265			
YVF2-225M-8	22	30		49.7	280.1			293			
YVF2-250M-8	30	40		66.4	382.0			386			
YVF2-280S-8	37	50		81.4	471.1			458			
YVF2-280M-8	45	60		98.0	573.0			545			
YVF2-315S-8	55	75		116	700.3			828			

YVF2 技术参数 TECHNICAL DATA

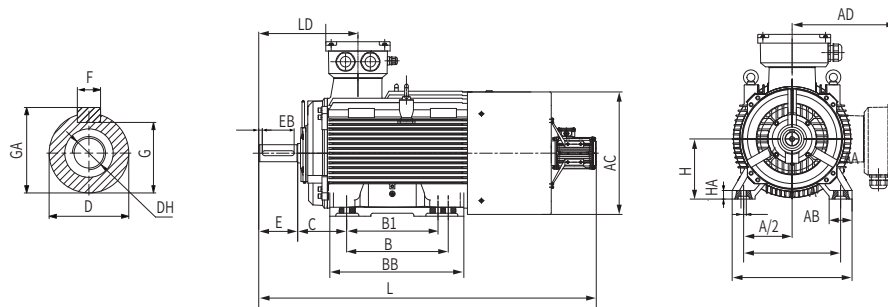
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	kW	HP									
同步转速 750r/min (8极) Synchronous Speed 750r/min (8pole)											
YVF2-315M-8	75	100	380	158	955.0	5~50	50~100	2	2.8	9.0	828
YVF2-315L1-8	90	125		186	1146.0						958
YVF2-315L2-8	110	150		226	1400.7						968
YVF2-355M1-8	132	180		270	1680.0						1040
YVF2-355M2-8	160	220		325	2037.3						1535
YVF2-355L1-8	185	250		375	2355.7						1615
YVF2-355L2-8	200	270		403	2546.7						1705
同步转速 600r/min (10极) Synchronous Speed 600r/min (10pole)											
YVF2-160M-10	4	5.5	380	11.8	63.7	5~50	50~100	1.1	1.9	6.3	83
YVF2-160L-10	5.5	7.5		15.8	87.5			1.1	1.9		84
YVF2-180L-10	7.5	10		21.0	119.4			1.1	1.9		113
YVF2-200L-10	11	15		29.4	175.1			1.1	1.9		155
YVF2-225S-10	15	20		38.7	238.8			1.1	1.9		208
YVF2-225M-10	18.5	25		45.2	294.5			1.1	1.9		252
YVF2-250M-10	22	30		51.9	350.2			1.1	1.9		285
YVF2-280S-10	30	40		69.2	477.5			1.1	1.9		366
YVF2-280M-10	37	50		82.6	588.9			1.1	1.9		460
YVF2-315S-10	45	60		99.6	716.3			1.2	2	6.5	787
YVF2-315M-10	55	75		121	875.4			1.2	2		856
YVF2-315L1-10	75	100		162	1193.8			1.2	2		964
YVF2-315L2-10	90	125		191	1432.5			1.2	2		1036
YVF2-355M1-10	110	150		230	1750.8			1.2	2	7.0	1527
YVF2-355M2-10	132	180		275	2101.0			1.2	2		1607
YVF2-355L1-10	160	220		333	2546.7			1.2	2		1700
YVF2-355L2-10	185	250		385	2944.6			1.2	2		1780

YVF2 安装及外形尺寸 Mounting and Overall Dimensions

IM B3 H80-355



H80-132 B3



H315-355 B3

型号 Type	极数 Pole	A	AA	AB	AC	AD	B	B1	BB	C	D	DH	E	EB	ED	F	G	GA	H	HA	K	L	LD
80	2,4,6,8	125	34	160	155.4	131	100	/	130	50	19	M6X16	40	30	5	6	15.5	21.5	80	10	4-Φ10	395	112
90S	2,4,6,8	140	36	176	175.4	148	100	/	130	56	24	M8X19	50	40	5	8	20	27	90	12	4-Φ10	420	130
90L	2,4,6,8	140	36	176	175.4	148	125	/	155	56	24	M8X19	50	40	5	8	20	27	90	12	4-Φ10	445	130
100L	2,4,6,8	160	40	200	195.4	162	140	/	176	63	28	M10X22	60	50	5	8	24	31	100	14	4-Φ12	480	139
112M	2,4,6,8	190	45	226	219.4	183	140	/	180	70	28	M10X22	60	50	5	8	24	31	112	15	4-Φ12	500	147
132S	2,4,6,8	216	55	262	258.4	203	140	/	816	89	38	M12X28	80	65	7.5	10	33	41	132	18	4-Φ12	600	172
132M	4,6,8	216	55	262	258.4	203	178	140	224	89	38	M12X28	80	65	7.5	10	33	41	132	18	4-Φ12	640	172
160M	2,4,6,8	254	65	314	314	251	210	/	260	108	42	M16X36	110	90	10	12	37	45	160	20	4-Φ14.5	750	256
160L	2,4,6,8	254	65	314	314	251	254	210	304	108	42	M16X36	110	90	10	12	37	45	160	20	4-Φ14.5	800	256
180M	2,4,8	279	70	349	355	267	241	/	311	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Φ14.5	830	271
180L	4,6,8	279	70	349	355	267	279	241	349	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Φ14.5	870	271
200L	2,4,6,8	318	70	388	397	299	305	/	369	133	55	M20X42	110	100	5	16	49	59	200	28	4-Φ18.5	905	296
225S	4,8	356	75	431	446	322	286	/	368	149	60	M20X42	140	125	7.5	18	53	64	225	28	4-Φ18.5	905	329
225M	2	356	75	431	446	322	311	286	393	149	55	M20X42	110	100	5	16	49	59	225	28	4-Φ18.5	905	299
225M	4,6,8	356	75	431	446	322	311	286	393	149	60	M20X42	140	125	7.5	18	53	64	225	28	4-Φ18.5	935	329
250M	2	406	80	484	485	358	349	/	445	168	60	M20X42	140	125	7.5	18	53	64	250	30	4-Φ24	1020	347
250M	4,6,8	406	80	484	485	358	349	/	445	168	65	M20X42	140	125	7.5	18	58	69	250	30	4-Φ24	1020	347
280S	2	457	85	542	547	387	368	368	485	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Φ24	1095	355.5
280S	4,6,8	457	85	542	547	387	368	/	485	190	75	M20X42	140	125	7.5	20	67.5	79.5	280	35	4-Φ24	1095	355.5
280M	2	457	85	542	547	387	419	368	536	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Φ24	1150	355.5
280M	4,6,8	457	85	542	547	387	419	368	536	190	75	M20X42	140	125	7.5	20	67.5	79.5	280	35	4-Φ24	1150	355.5
315S	2	508	120	628	620	527	406	/	570	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	1350	397
315S	4,6,8,10	508	120	628	620	527	406	/	570	216	80	M20X42	170	160	5	22	71	85	315	45	4-Φ28	1380	427
315M,L	2	508	120	628	620	527	457	406	680	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	1465	397
315M,L	4,6,8,10	508	120	628	620	527	457	406	680	216	80	M20X42	170	160	5	22	71	85	315	45	4-Φ28	1495	427
355M,L	2	610	116	726	698	642	630	560	750	254	75	M20X42	140	130	5	20	67.5	79.5	355	52	6-Φ28	1690	414
355M,L	4,6,8,10	610	116	726	698	642	630	560	750	254	95	M24X50	170	160	5	25	86	100	355	52	6-Φ28	1720	444

Technical drawings of the M B5 H80-355 motor, showing front, side, and end views with dimension labels.

Front View (Left): Shows the motor's overall dimensions: P (total height), T (base height), ED (terminal box height), EB (terminal box width), E (base width), LD (terminal box depth), L (total length), AC (flange diameter), and HD (flange thickness). A note indicates "80-90机座无吊环" (80-90 frame without lifting ring).

Side View (Middle): Shows the motor's profile with dimensions AD (total height), HD (flange thickness), and a 45° angle.

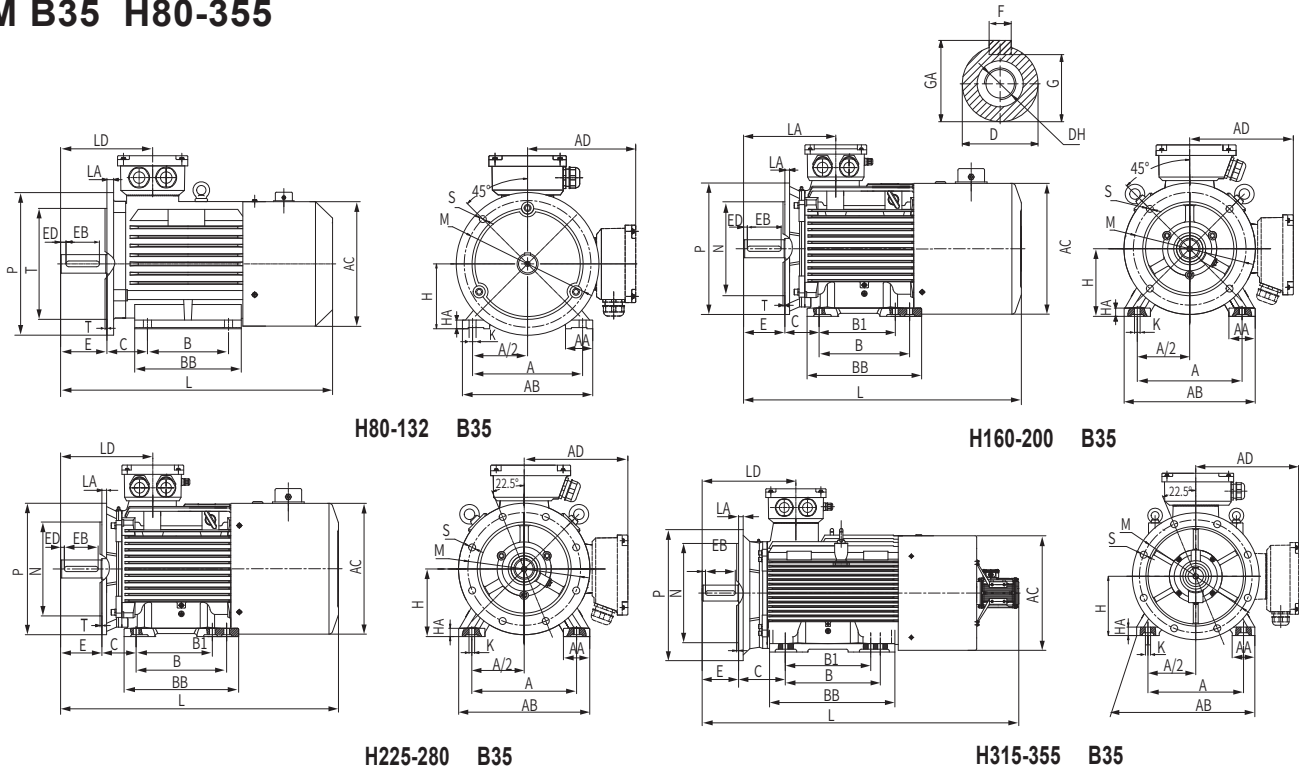
End View (Right): Shows the motor's end profile with dimensions LD (terminal box depth), P (total height), N (terminal box height), ED (terminal box height), EB (terminal box width), T (base height), E (base width), L (total length), AC (flange diameter), and HD (flange thickness).

Flange Detail (Top Right): Shows the flange dimensions: F (flange thickness), G (flange outer diameter), GA (flange inner diameter), and G (flange hole diameter).

Flange Detail (Bottom Right): Shows the flange dimensions: S (flange thickness), M (flange outer diameter), AD (flange thickness), and HD (flange thickness).

YVF2 安装及外形尺寸 Mounting and Overall Dimensions

IM B35 H80-355



型号 Type	极数 Pole	A	AA	AB	AC	AD	B	B1	BB	C	D	DH	E	EB	ED	F	G	GA	H	HA	K	L	LA	LB	LD	M	N	P	S	T
80	2,4,6,8	125	34	160	167	147	100	/	150	50	19	M6X16	40	30	5	6	15.5	21.5	80	10	4-Φ10	395	12	264	112	165	130	200	12	3.5
90s	2,4,6,8	140	36	176	182.4	154.5	100	/	161	56	24	M8X19	50	40	5	8	20	27	90	12	4-Φ10	420	12	286	130	165	130	200	12	3.5
90L	2,4,6,8	140	36	176	182.4	154.5	125	/	186	56	24	M8X19	50	40	5	8	20	27	90	12	4-Φ10	445	12	311	130	165	130	200	12	3.5
100L	2,4,6,8	160	40	200	205.4	166	140	/	213	63	28	M10X22	60	50	5	8	24	31	100	14	4-Φ12	480	13	346	139	215	180	250	14.5	4
112M	2,4,6,8	190	50	240	230	188	40	/	188	70	28	M10X22	60	50	5	8	24	31	112	15	4-Φ12	500	14	334	147	215	180	250	14.5	4
132S	2,4,6,8	216	55	262	258.4	203	140	/	186	89	38	M12X28	80	65	7.5	10	33	41	132	18	4-Φ12	600	14	390	172	265	230	300	14.5	4
132M	4,6,8	216	55	262	258.4	203	178	140	224	89	38	M12X28	80	65	7.5	10	33	41	132	18	4-Φ12	640	14	428	172	265	230	300	14.5	4
160M	2,4,6,8	254	65	314	314	251	210	/	260	108	42	M16X36	110	90	10	12	37	45	160	20	4-Φ14.5	750	15	498	256	300	250	350	18.5	5
160L	2,4,6,8	254	65	314	314	251	254	210	304	108	42	M16X36	110	90	10	12	37	45	160	20	4-Φ14.5	800	15	542	256	300	250	350	18.5	5
180M	2,4,8	279	70	349	355	267	241	/	311	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Φ14.5	830	16	578	271	300	250	350	18.5	5
180L	4,6,8	279	70	349	355	267	279	241	349	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Φ14.5	870	15	616	271	300	250	350	18.5	5
200L	2,4,6,8	318	70	388	397	299	305	/	369	133	55	M20X42	110	100	5	16	49	59	200	25	4-Φ18.5	905	17	669	296	350	300	400	18.5	5
225S	4,8	356	75	431	446	322	286	/	368	149	60	M20X42	140	125	7.5	18	53	64	225	28	4-Φ18.5	905	20	684	329	400	350	450	18.5	5
225M	2	356	75	431	446	322	311	286	393	149	60	M20X42	110	100	5	16	49	59	225	28	4-Φ18.5	940	20	709	299	400	350	450	18.5	5
225M	4,6,8	356	75	431	446	322	311	286	393	149	65	M20X42	140	125	7.5	18	53	64	225	30	4-Φ18.5	940	20	709	329	400	350	450	18.5	5
250M	2	406	80	484	485	358	349	/	445	168	65	M20X42	140	125	7.5	18	53	64	250	30	4-Φ24	1020	22	770	347	500	450	550	18.5	5
250M	4,6,8	406	80	484	485	358	349	/	445	168	75	M20X42	140	12	7.5	18	58	69	250	35	4-Φ24	1020	22	770	347	500	450	550	18.5	5
280S	2	457	85	542	547	387	368	368	485	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Φ24	1095	22	842	355.5	550	450	550	18.5	5
280S	4,6,8	457	85	542	547	387	368	/	485	190	75	M20X42	140	125	7.5	20	67.5	79.5	280	35	4-Φ24	1095	22	842	355.5	500	450	550	18.5	5
280M	2	457	85	542	547	387	419	368	536	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Φ24	1150	22	893	355.5	500	450	550	18.5	5
280M	4,6,8	457	85	542	547	387	419	368	536	190	80	M20X42	140	125	7.5	20	67.5	79.5	280	45	4-Φ24	1150	22	893	355.5	500	450	550	18.5	5
315S	2	508	120	628	620	527	406	/	570	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	1350	22	1054	397	600	550	660	24	6
315S	4,6,8,10	508	120	628	620	527	406	/	570	216	80	M20X42	170	160	5	22	71	85	315	45	4-Φ28	1380	22	1054	427	600	550	660	24	6
315M,L	2	508	120	628	620	527	457	406	680	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	1465	22	1164	397	600	550	660	24	6
315M,L	4,6,8,10	508	120	628	620	527	457	406	680	216	80	M20X42	170	160	5	22	71	85	315	45	4-Φ28	1495	22	1164	427	600	550	660	24	6
355M,L	2	610	116	726	698	642	630	560	750	254	75	M20X42	140	130	5	20	67.5	79.5	355	52	6-Φ28	1690	25	1346	414	740	680	800	24	6
355M,L	4,6,8,10	610	116	726	698	642	630	560	750	254	95	M24X50	170	160	5	25	86	100	355	52	6-Φ28	1720	25	1346	444	740	680	800	24	6