

OPEN COUPLED
STAINLESS STEEL MAGNETIC DRIVE PUMP

META SERIES

Motor Output
Max.110kW

TYPE MET

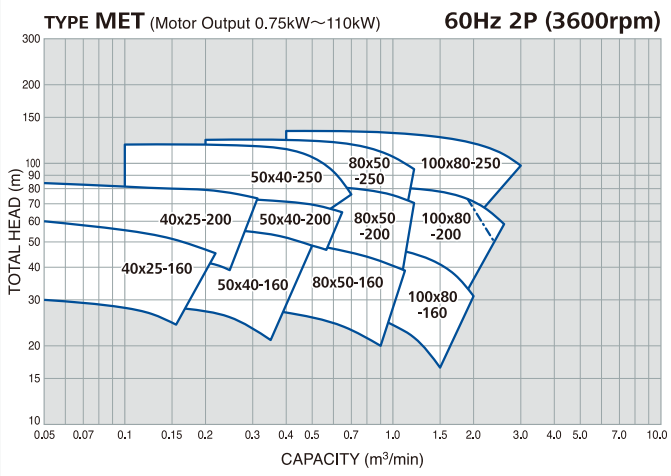
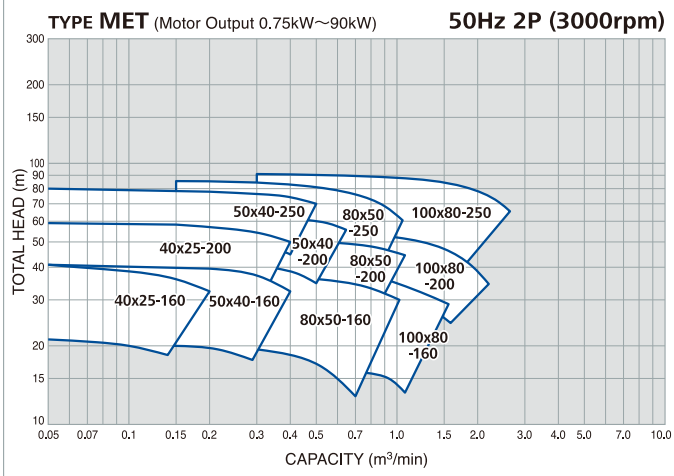
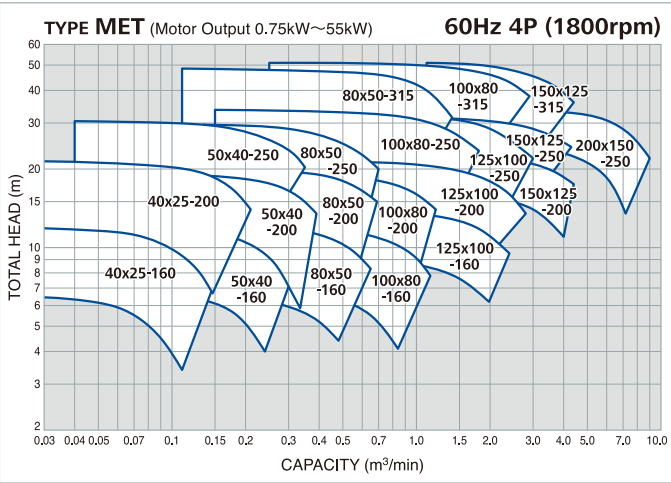
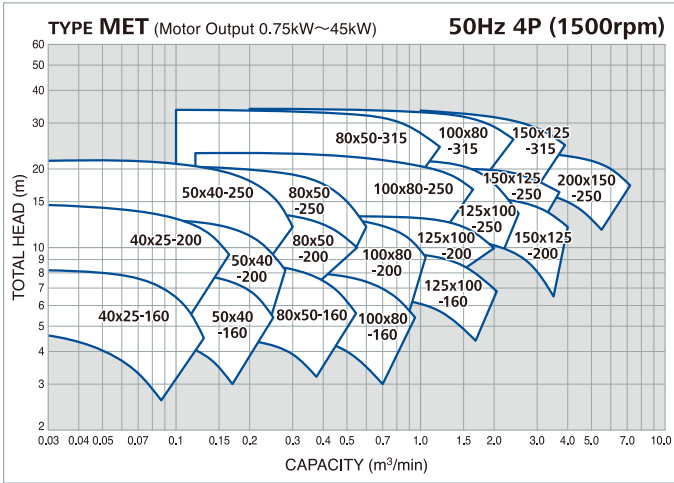
[PUMP TYPE IDENTIFICATION]

MET 40 x 25 - 160 U

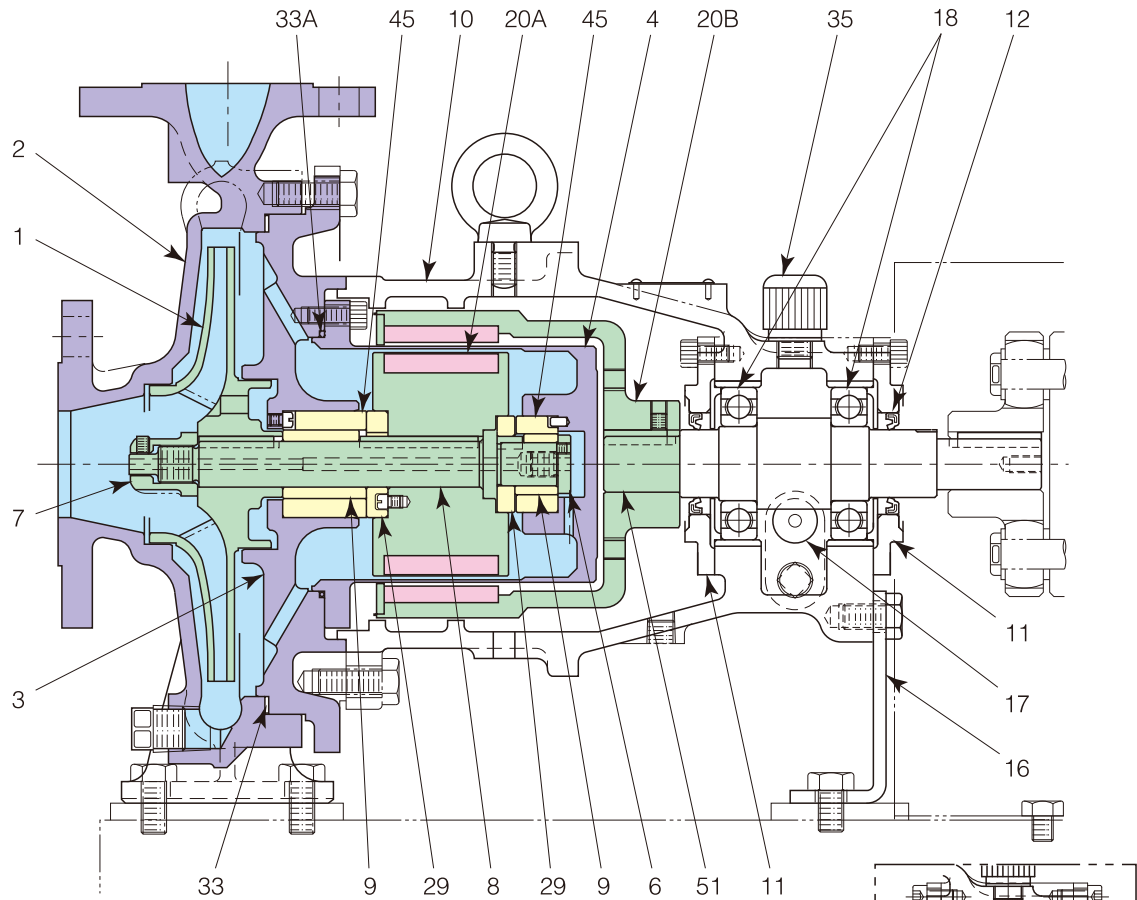
- ① PUMP TYPE ... MET
② SUCTION BORE ... 40 ~ 200 (mm)
③ DISCHARGE BORE ... 25 ~ 150 (mm)
④ IMPELLER NOMINAL DIAMETER ... 160, 200, 250, 315
⑤ DRIVE UNIT TYPE ... TYPE-U
or G or L



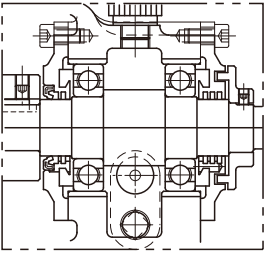
Selection charts



Construction and materials



- : Magnet
■ : Pressure vessel
■ : Rotating parts
■ : Bearings
■ : Liquid immersed portion



Labyrinth-seal (Option)

9	SLEEVE	SiC	1+1
8	INNER MAGNET SHAFT	304SS or 316SS	1
7	IMPELLER NUT	304SS or 316SS	1
6	SLEEVE BOLT	304SS or 316SS	1
4	REAR CASING	304SS or 316SS	1
3	CASING COVER	304SS or 316SS	1
2	CASING	304SS or 316SS	1
1	IMPELLER	304SS or 316SS	1

20B	MAGNET COUPLING(M)	CAST IRON or STEEL	1
20A	MAGNET COUPLING(P)	304SS or 316SS	1
18	BALL BEARING	SUJ	2
17	OIL GAUGE	RESIN	1
16	SUPPORT	STEEL	1
12	OIL SEAL	NBR	2
11	BEARING COVER	CAST IRON	2
10	BEARING HOUSING	CAST IRON or STEEL	1

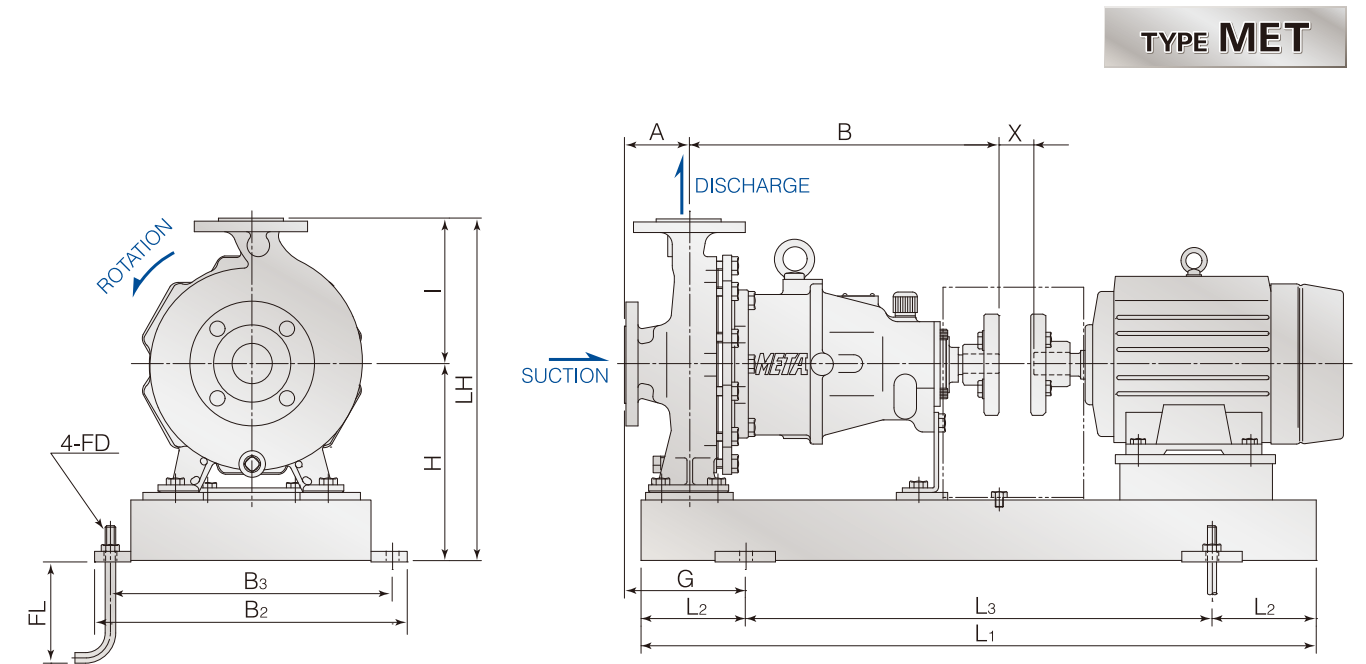
51	OUTER MAGNET SHAFT	STEEL	1
45	BUSHING	SiC	1+1
35	AIR VENT	RESIN	1
33A	O RING	PTFE	1
33	GASKET	PTFE	1
29	THRUST RING	SiC	1+1

Highly reliable block-building structure



SIMPLE STRUCTURE & EASY MAINTENANCE
SiC bearing parts are virtually erosion / corrosion proof. Robust rear-casing shuts off leakage.

Outline dimension



(In the unit of mm)																	
PUMP SIZE	MOTOR FRAME	PUMP						BASE PLATE								MASS APPROX(kg)	
		A	B	I	H	LH	G	L1	L2	L3	B2	B3	FD	FL	X	BASE	PUMP
40x25-160U	100L , 112M	80	385	150	217	367	150	800	130	540	390	350	M12	160	3	28	48
	132S , 132M	80	385	150	217	367	170	900	150	600	490	440	M16	200	3	43	48
	160M , 160L	80	385	150	272	422	210	1120	190	740	540	490	M16	200	100	59	48
40x25-200U	100L	80	385	180	245	425	150	800	130	540	390	350	M12	160	3	29	53
	112M	80	385	180	245	425	150	800	130	540	390	350	M12	160	3	36	53
	132S , 132M	80	385	180	245	425	170	900	150	600	490	440	M16	200	3	43	53
	160M , 160L	80	385	180	272	452	210	1120	190	740	540	490	M16	200	100	59	53
	180M , 180L	80	385	180	292	472	210	1120	190	740	540	490	M16	200	100	66	53
50x40-160U	100L , 112M	80	385	160	217	377	150	800	130	540	390	350	M12	160	3	28	52
	132S , 132M	80	385	160	217	377	170	900	150	600	490	440	M16	200	3	43	52
	160M , 160L	80	385	160	272	432	210	1120	190	740	540	490	M16	200	100	59	52
	180M	80	385	160	292	452	210	1120	190	740	540	490	M16	200	100	67	52
50x40-200U	112M	80	385	180	245	425	150	800	130	540	390	350	M12	160	3	36	56
	132S , 132M	80	385	180	245	425	170	900	150	600	490	440	M16	200	3	43	56
	160M , 160L	80	385	180	272	452	210	1120	190	740	540	490	M16	200	100	59	56
	180M , 180L	80	385	180	292	472	210	1120	190	740	540	490	M16	200	100	65	56
50x40-250U	80M , 90L	100	401	225	265	490	175	900	150	600	490	440	M16	200	3	43	79
	100L , 112M	100	401	225	265	490	175	900	150	600	490	440	M16	200	3	44	79
	132S , 132M	100	401	225	265	490	175	900	150	600	490	440	M16	200	3	49	79
	160M , 160L	100	401	225	292	517	215	1120	190	740	540	490	M16	200	100	74	79
	180M , 180L	100	401	225	292	517	230	1250	205	840	610	550	M20	250	100	70	79
50x40-250G	180M , 180L	100	500	225	292	517	230	1250	205	840	610	550	M20	250	100	70	94
	200M , 200L	100	500	225	340	565	255	1400	230	940	660	600	M20	250	100	130	94
	225S , 225M	100	500	225	380	605	255	1400	230	940	660	600	M20	250	100	146	94
	250S , 250M	100	500	225	430	655	295	1600	270	1060	730	670	M20	250	100	263	94
80x50-160U	112M	100	385	180	245	425	170	800	130	540	390	350	M12	160	3	36	55
	132S , 132M	100	385	180	245	425	190	900	150	600	490	440	M16	200	3	43	55
	160M , 160L	100	385	180	272	452	230	1120	190	740	540	490	M16	200	100	59	55
	180M , 180L	100	385	180	292	472	230	1120	190	740	540	490	M16	200	100	70	55
80x50-200U	112M	100	401	200	245	445	170	800	130	540	390	350	M12	160	3	35	62
	132S , 132M	100	401	200	245	445	190	900	150	600	490	440	M16	200	3	43	62
	160M , 160L	100	401	200	272	472	230	1120	190	740	540	490	M16	200	100	59	62
	180M , 180L	100	401	200	292	492	245	1250	205	840	610	550	M20	250	100	75	62
80x50-200G	180M , 180L	100	500	200	300	500	245	1250	205	840	610	550	M20	250	100	87	78
	200M , 200L	100	500	200	340	540	270	1400	230	940	660	600	M20	250	100	128	78
	225S , 225M	100	500	200	385	585	270	1400	230	940	660	600	M20	250	100	156	78
	250S , 250M	100	500	200	410	610	310	1600	270	1060	730	670	M20	250	100	261	78

(In the unit of mm)																	
PUMP SIZE	MOTOR FRAME	PUMP						BASE PLATE								MASS APPROX(kg)	
		A	B	I	H	LH	G	L1	L2	L3	B2	B3	FD	FL	X	BASE	PUMP
80x50—250U	100L ~ 132S	125	401	225	265	490	200	900	150	600	490	440	M16	200	3	46	83
	160M , 160L	125	401	225	292	517	240	1120	190	740	540	490	M16	200	100	69	83
	180M , 180L	125	401	225	292	517	255	1250	205	840	610	550	M20	250	100	78	83
80x50—250G	180M , 180L	125	500	225	292	517	255	1250	205	840	610	550	M20	250	100	80	98
	200M , 200L	125	500	225	340	565	280	1400	230	940	660	600	M20	250	100	130	98
	225S , 225M	125	500	225	380	605	280	1400	230	940	660	600	M20	250	100	148	98
	250S , 250M	125	500	225	430	655	320	1600	270	1060	730	670	M20	250	100	265	98
80x50—315G	160M , 160L	125	500	315	390	705	280	1400	230	940	660	600	M20	250	140	120	160
	180M , 180L	125	500	315	390	705	280	1400	230	940	660	600	M20	250	140	135	160
	200M , 200L	125	500	315	390	705	280	1400	230	940	660	600	M20	250	140	145	160
100x80—160U	90L ~ 132M	100	401	200	245	445	175	900	150	600	490	440	M16	200	3	44	67
	160M , 160L	100	401	200	272	472	215	1120	190	740	540	490	M16	200	100	60	67
	180M , 180L	100	401	200	300	500	230	1250	205	840	610	550	M20	250	100	85	67
100x80—160G	180M , 180L	100	500	200	300	500	230	1250	205	840	610	550	M20	250	100	87	81
	200M , 200L	100	500	200	340	540	255	1400	230	940	660	600	M20	250	100	128	81
	225S , 225M	100	500	200	385	585	255	1400	230	940	660	600	M20	250	100	151	81
	250S , 250M	100	500	200	410	610	295	1600	270	1060	730	670	M20	250	100	261	81
100x80—200U	100L ~ 132M	100	401	225	265	490	175	900	150	600	490	440	M16	200	3	46	69
	160M ~ 180L	100	401	225	292	517	230	1250	205	840	610	550	M20	250	140	79	69
100x80—200G	180M , 180L	100	500	225	320	545	255	1400	230	940	660	600	M20	250	140	121	84
	200M , 200L	100	500	225	340	565	255	1400	230	940	660	600	M20	250	140	137	84
	225S , 225M	100	500	225	380	605	255	1400	230	940	660	600	M20	250	140	153	84
	250S , 250M	100	500	225	430	655	295	1600	270	1060	730	670	M20	250	140	270	84
100x80—250G	160M , 160L	125	500	280	365	645	265	1400	230	940	660	600	M20	250	140	120	120
	180M , 180L	125	500	280	365	645	265	1400	230	940	660	600	M20	250	140	135	120
	200M , 200L	125	500	280	365	645	265	1400	230	940	660	600	M20	250	140	145	120
100x80—250L	180M , 180L	125	500	280	365	645	265	1400	230	940	660	600	M20	250	140	135	180
	200M , 200L	125	500	280	365	645	265	1400	230	940	660	600	M20	250	140	145	180
	225S , 225M	125	500	280	365	645	265	1400	230	940	660	600	M20	250	140	160	180
	250S , 250M	125	500	280	405	685	305	1600	270	1060	730	670	M20	250	140	240	180
100x80—315L	280S , 280M	125	500	280	450	730	305	1600	270	1060	730	670	M20	250	140	255	180
	160M , 160L	125	500	315	390	705	265	1400	230	940	660	600	M20	250	140	120	225
	180M , 180L	125	500	315	390	705	265	1400	230	940	660	600	M20	250	140	135	225
	200M , 200L	125	500	315	390	705	265	1400	230	940	660	600	M20	250	140	145	225
	225S , 225M	125	500	315	410	725	305	1600	270	1060	730	670	M20	250	140	240	225
125x100—200G	250S , 250M	125	500	315	410	725	305	1600	270	1060	730	670	M20	250	140	280	225
	160M , 160L	125	500	280	340	620	265	1400	230	940	660	600	M20	250	140	120	110
	180M , 180L	125	500	280	340	620	265	1400	230	940	660	600	M20	250	140	135	110
	200M , 200L	125	500	280	340	620	265	1400	230	940	660	600	M20	250	140	145	110
150x125—200G	160M , 160L	140	500	315	390	705	280	1400	230	940	660	600	M20	250	140	120	190
	180M , 180L	140	500	315	390	705	280	1400	230	940	660	600	M20	250	140	135	190
	200M , 200L	140	500	315	390	705	280	1400	230	940	660	600	M20	250	140	145	190
	225S , 225M	140	500	315	410	725	320	1600	270	1060	730	670	M20	250	140	240	190
	250S , 250M	140	500	315	410	725	320	1600	270	1060	730	670	M20	250	140	280	190
150x125—250L	160M , 160L	140	500	355	420	775	280	1400	230	940	660	600	M20	250	140	120	215
	180M , 180L	140	500	355	420	775	280	1400	230	940	660	600	M20	250	140	135	215
	200M , 200L	140	500	355	420	775	280	1400	230	940	660	600	M20	250	140	145	215
	225S , 225M	140	500	355	440	795	320	1600	270	1060	730	670	M20	250	140	240	215
	250S , 250M	140	500	355	440	795	320	1600	270	1060	730	670	M20	250	140	280	215
150x125—315L	160M , 160L	140	500	355	420	775	260	1400	230	940	660	600	M20	250	140	120	250
	180M , 180L	140	500	355	420	775	260	1400	230	940	660	600	M20	250	140	135	250
	200M , 200L	140	500	355	440	795	300	1600	270	1060	730	670	M20	250	140	225	250
	225S , 225M	140	500	355	440	795	300	1600	270	1060	730	670	M20	250	140	240	250
	250S , 250M	140	500	355	440	795	300	1600	270	1060	730	670	M20	250	140	280	250
200x150—250L	180M , 180L	180	500	425	495	920	300	1400	230	940	660	600	M20	250	140	135	300
	200M , 200L	180	500	425	515	940	340	1600	270	1060	730	670	M20	250	140	225	280
	225S , 225M	180	500	425	515	940	340	1600	270	1060	730	670	M20	250	140	240	280
	250S , 250M	180	500	425	515	940	340	1600	270	1060	730	670	M20	250	140	280	280