

# OPEN COUPLED STAINLESS STEEL MAGNET DRIVE PUMP

## TYPE MET

Motor Output  
**Max. 110kW**

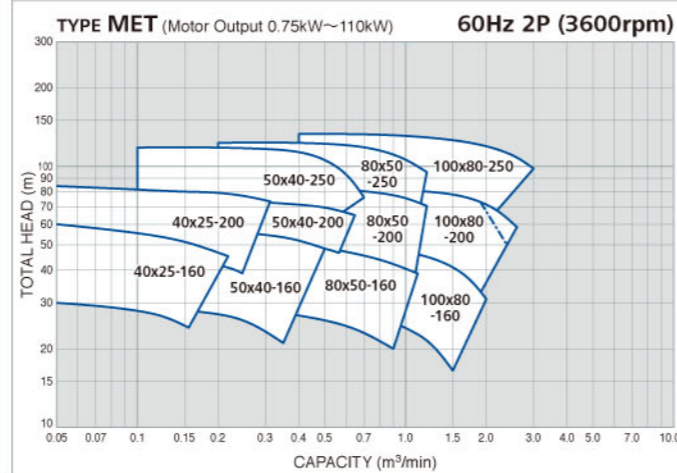
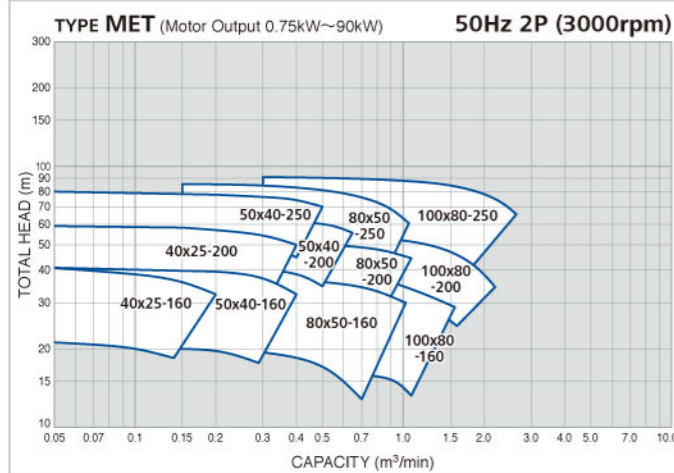
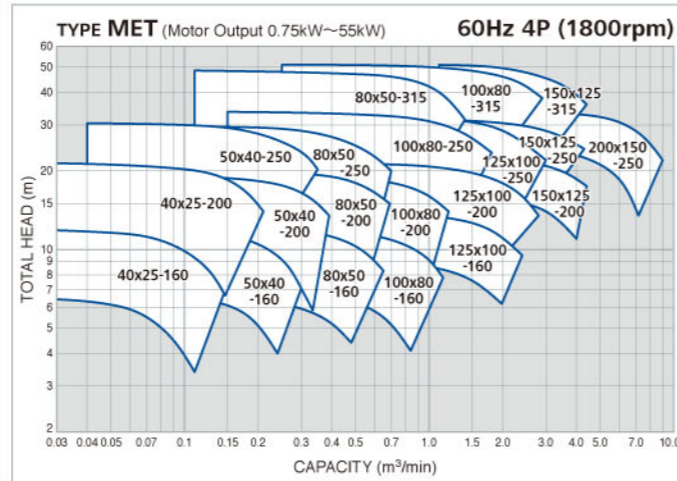
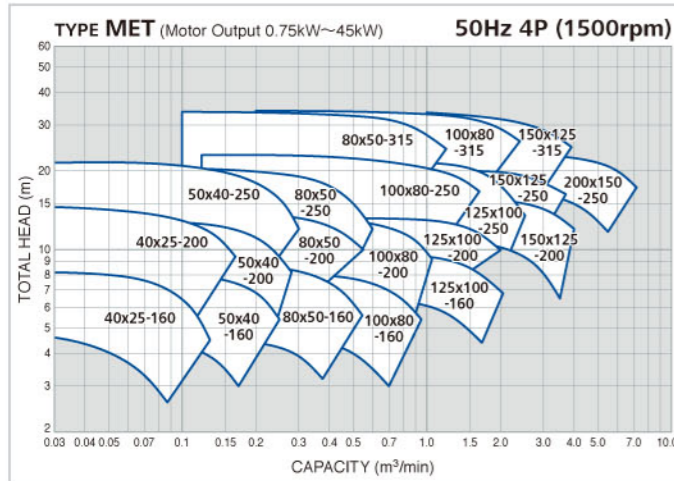
[PUMP TYPE IDENTIFICATION]

**MET 40 x 25 - 160 U**

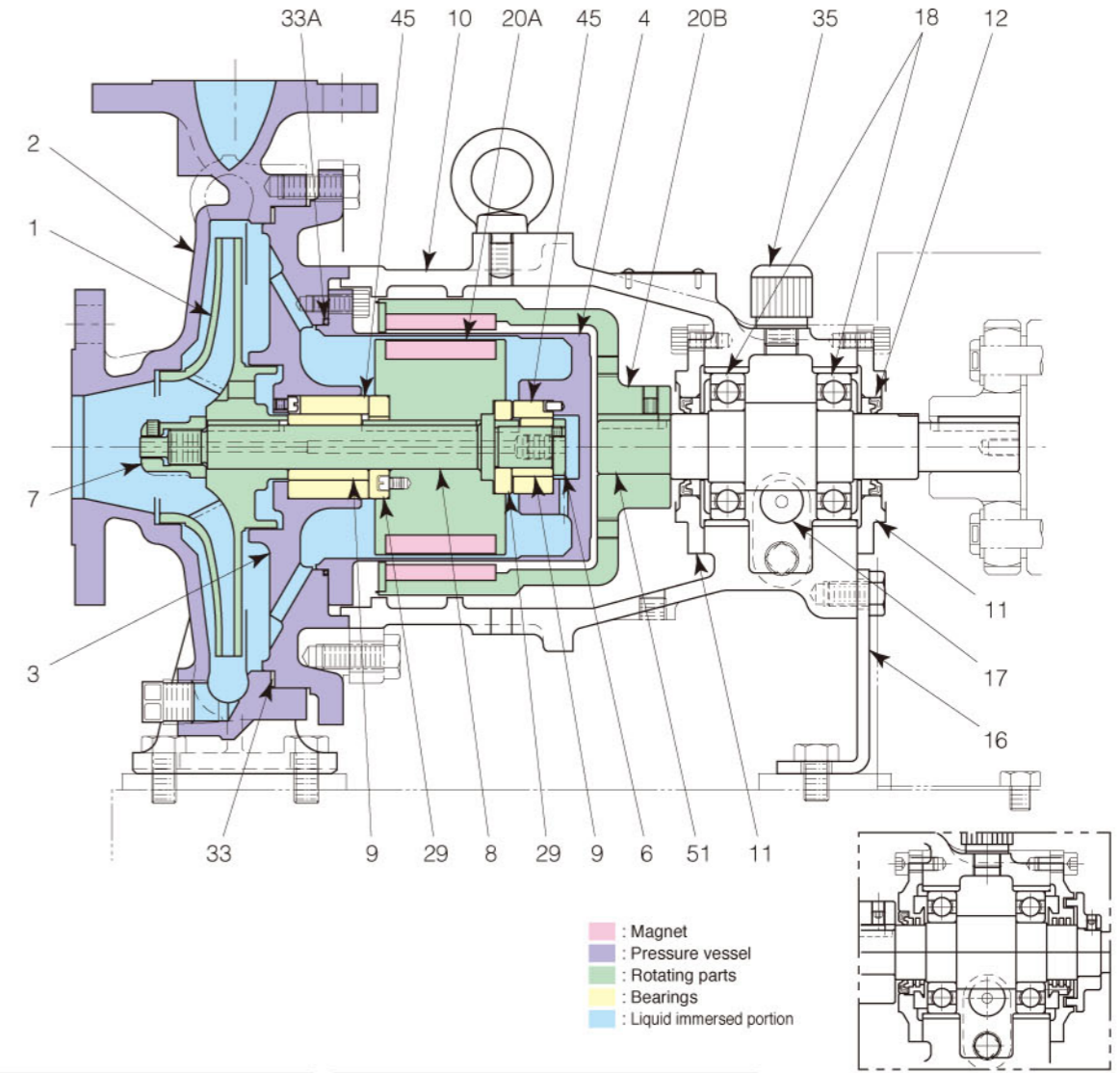
- ① PUMP TYPE ... MET
- ② SUCTION BORE ... 40 ~ 200 (mm)
- ③ DISCHARGE BORE ... 25 ~ 150 (mm)
- ④ IMPELLER NOMINAL DIAMETER ... 160, 200, 250
- ⑤ DRIVE UNIT TYPE ... TYPE-U or G or L



### Selection charts



### Construction and materials



MARK	NAME OF PART	MAT'L	No.REQ'D	MARK	NAME OF PART	MAT'L	No.REQ'D
9	SLEEVE	SiC	1+1	20B	MAGNET COUPLING(M)	FCD400 or SS400	1
8	INNER MAGNET SHAFT	304SS or 316SS	1	20A	MAGNET COUPLING(P)	304SS or 316SS	1
7	IMPELLER NUT	304SS or 316SS	1	18	BALL BEARING	SUJ	2
6	SLEEVE BOLT	304SS or 316SS	1	17	OIL GAUGE	RESIN	1
4	REAR CASING	304SS or 316SS	1	16	SUPPORT	SS400	1
3	CASING COVER	304SS or 316SS	1	12	OIL SEAL	NBR	2
2	CASING	304SS or 316SS	1	11	BEARING COVER	FC200	2
1	IMPELLER	304SS or 316SS	1	10	BEARING HOUSING	FC200	1

**Labyrinth-seal (Option)**

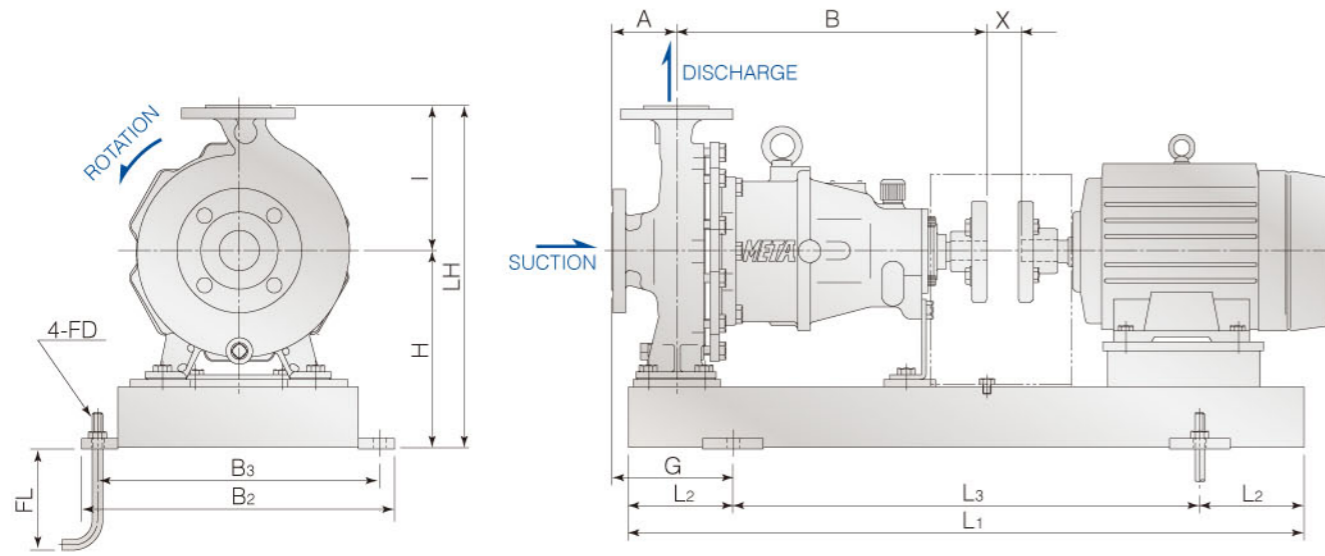
MARK	NAME OF PART	MAT'L	No.REQ'D
51	OUTER MAGNET SHAFT	S45C	1
45	BUSHING	SiC	1+1
35	AIR VENT	RESIN	1
33A	O RING	PTFE	1
33	GASKET	PTFE	1
29	THRUST RING	SiC	1+1

### Highly reliable block-building structure



**Outline dimension**

**TYPE MET**



(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
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
100x80-200U	100L ~ 132M	100	401	200	245	445	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
	180M, 180L	100	500	225	320	545	255	1400	230	940	660	600	M20	250	140	121	84
100x80-200G	180M, 180L	100	500	225	340	565	255	1400	230	940	660	600	M20	250	140	137	84
	200M, 200L	100	500	225	380	605	255	1400	230	940	660	600	M20	250	140	153	84
	225S, 225M	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
100x80-315L	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
125x100-200G	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
150x125-200G	160M, 160L	140	500	315	410	725	320	1600	270	1060	730	670	M20	250	140	240	190
	180M, 180L	140	500	315	410	725	320	1600	270	1060	730	670	M20	250	140	280	190
	200M, 200L	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
150x125-315L	160M, 160L	140	500	355	440	795	320	1600	270	1060	730	670	M20	250	140	240	215
	180M, 180L	140	500	355	440	795	320	1600	270	1060	730	670	M20	250	140	280	215
	200M, 200L	140	500	355	440	795	320	1600	270	1060	730	670	M20	250	140	280	215
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	

(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
40x25-250U	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
	100L, 112M	80	385	160	217	377	150	800	130	540	390	350	M12	160	3	28	52
50x40-160U	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
50x40-250U	180M, 180L	80	385	180	292	472	210	1120	190	740	540	490	M16	200	100	65	56
	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
50x40-250G	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
80x50-160U	180M, 180L	100	500	225	292	517	230	1250	205	840	610	550	M20	2			