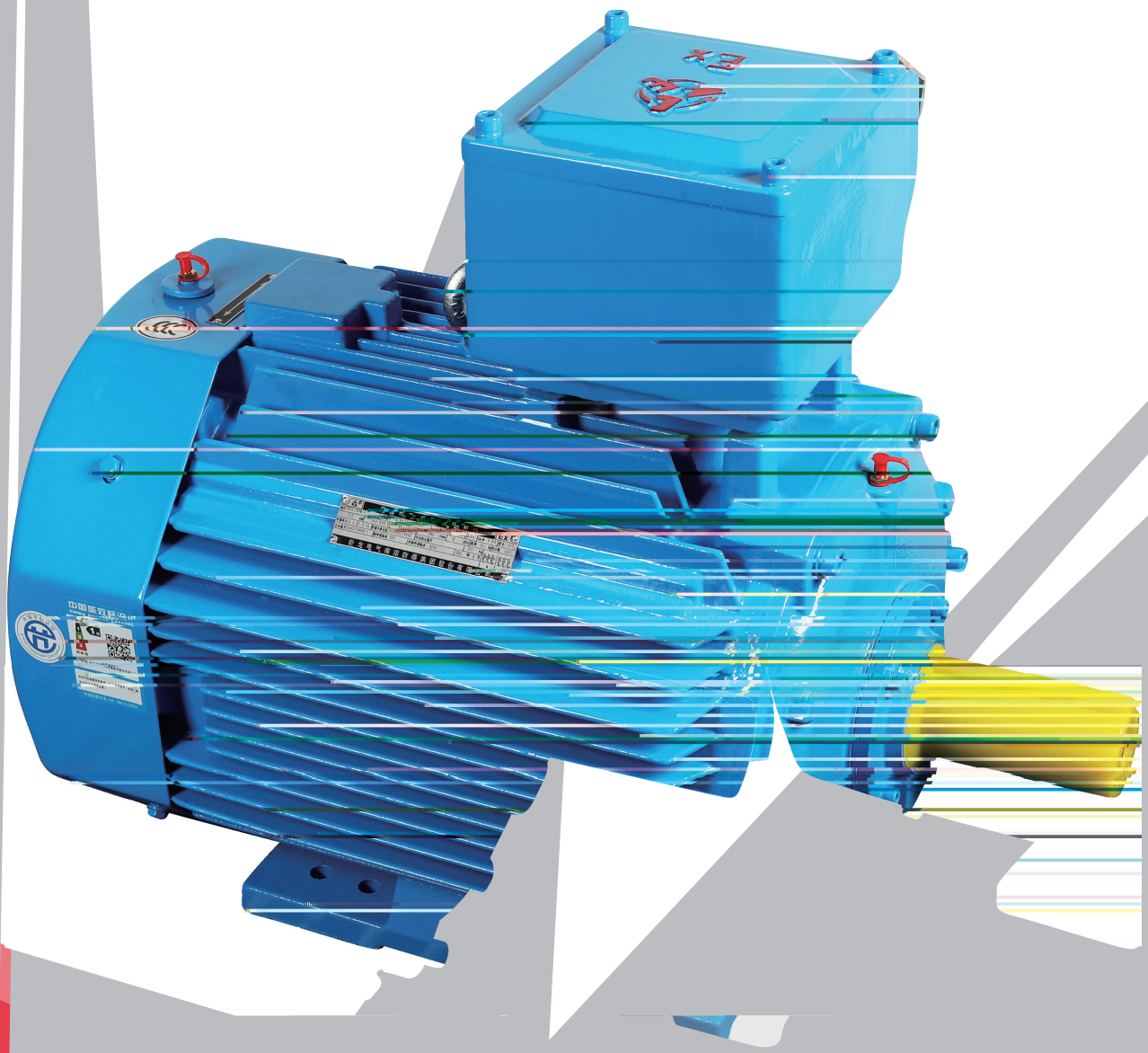


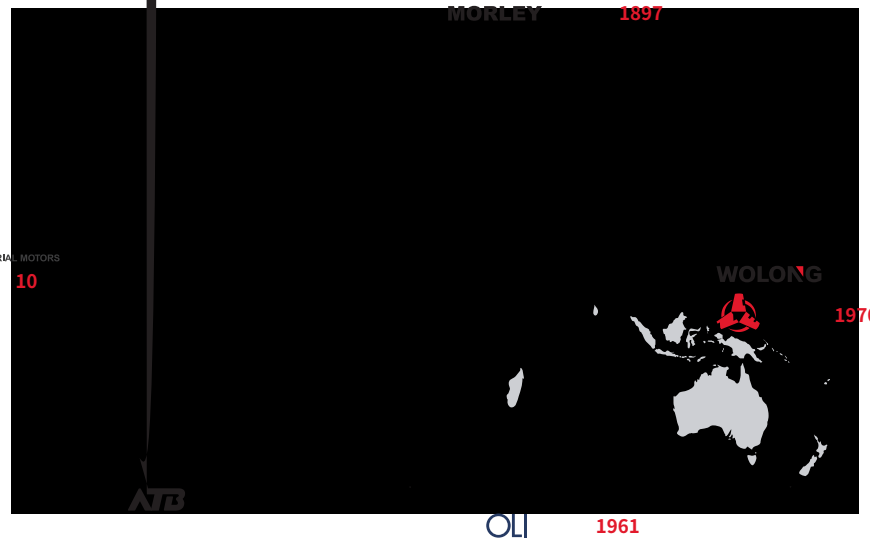
1984

39 4 15000

BROOK CROMPTON 1878

LAURENCE SCOTT 1883

MORLEY 1897



GE INDUSTRIAL MOTORS

GE 10

WOLONG 1984

1970

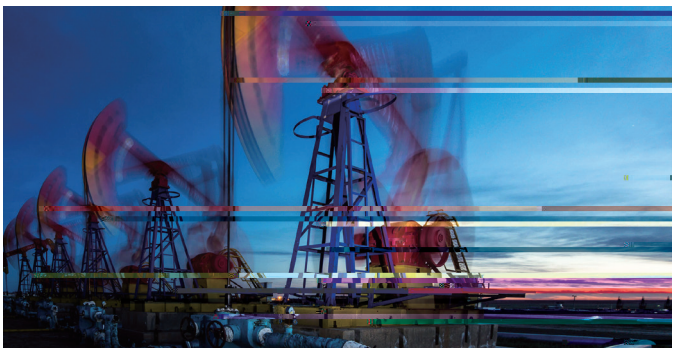
ATB

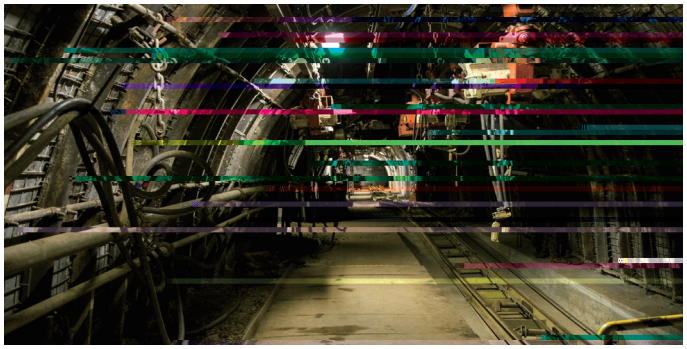
OLI 1961

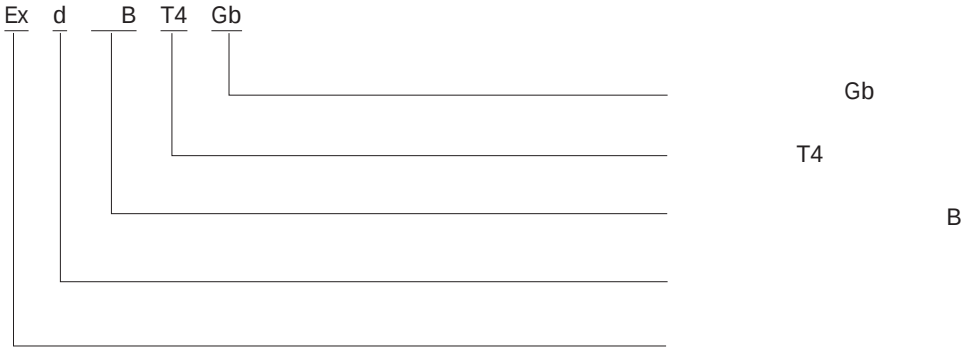
SSR ROBOTICS 1980

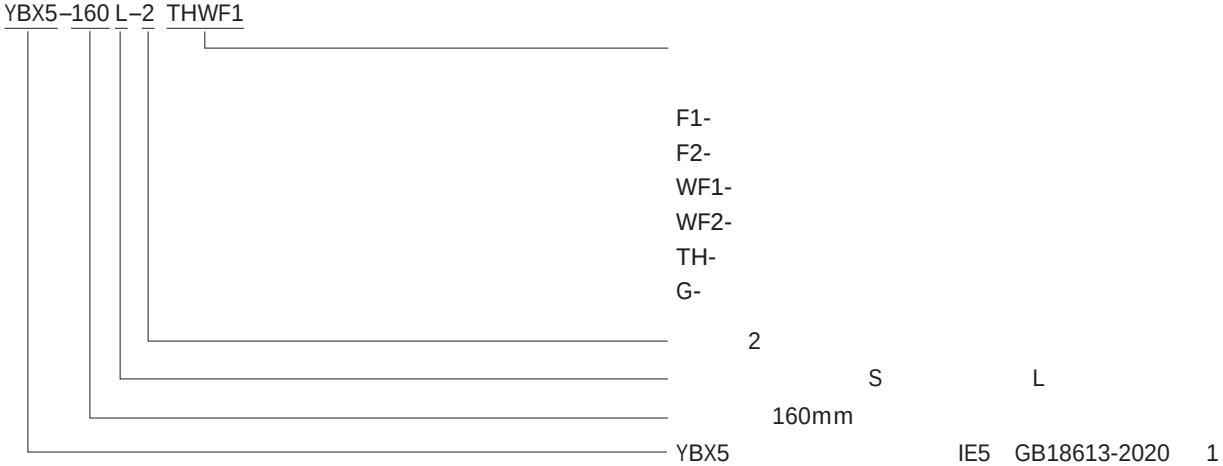
YBX5 GB18613-2020 1 ,

YBX5 GB3836.2 2 “ d ” 1 2 Ex d I Mb Ex d IIB T4 Gb Ex d IIC T4 Gb






Ex d B T4 Gb
Gb
T4
B


YBX5–160 L–2 THWF1
F1-
F2-
WF1-
WF2-
TH-
G-
2
S
L
160mm
YBX5
IE5
GB18613-2020
1

- GB 755
- GB 1971
- GB 3836.1 1
- GB 3836.2 2 : “ d ”
- GB 3836.3 3 : “ e ”
- GB 10068 56mm
- GB 14711
- GB 18613
- GB 50058
- GB/T 997 (IM)
- GB/T 1032
- GB/T 1993
- GB/T 4772
- GB/T 4942.1 IP
- GB/T 10069.1 1
- GB/T 10069.3 3
- GB/T 22719.1 1

	80~355	-
	0.18~315kW	-
	IE5(GB18613-2020 1	-
	2P 4P 6P 8P	-
	380V	220/380V 380/660V 400/690V 400V 660V 690V
	50Hz	60Hz
	S1	S2 S3
	B3	B5 B35 V1
	F	H
	3kW 380V"Y" 3kW 380V " "	-
	IP55	IP56 IP65 IP66
	IC411	-
	Ex d B T4 Gb Ex d C T4 Gb	-
		W WF1 WF2 F1 F2 TH TA THW TAW
	RAL5012	F1 F2 WF1 WF2 GSB05-1426 PB04

- -20 +40
- 1000m
- GB755
- 90%

	r/min			
	3000	1500	1000	750
	kW			
80M1	0.75	0.55	0.37	0.18
80M2	1.1	0.75	0.55	0.25
90S	1.5	1.1	0.75	0.37
90L	2.2	1.5	1.1	0.55
100L1	3	2.2	1.5	0.75
100L2	-	3	-	1.1
112M	4	4	2.2	1.5
132S1	5.5	5.5	3	2.2
132S2	7.5	5.5	3	2.2
132M1	-	7.5	4	3
132M2	-	7.5	5.5	3
160M1	11	11	7.5	4
160M2	15	11	7.5	5.5
160L	18.5	15	11	7.5
180M	22	18.5	-	-
180L	-	22	15	11
200L1	30	30	18.5	15
200L2	37	30	22	15
225S	-	37	-	18.5
225M	45	45	30	22
250M	55	55	37	30
280S	75	75	45	37
280M	90	90	55	45
315S	110	110	75	55
315M	132	132	90	75
315L1	160	160	110	90
315L2	200	200	132	110
355S1	185	185	160	132
355S2	200	200	160	132
355M1	(220)	(220)	185	160
355M2	250	250	200	160
355L1	(280)	(280)	(220)	185
355L2	315	315	250	200

1
2 S M L 1 2

2 50Hz 3000r/min IE5 GB18613-2020 1

			%		(380V)A					(L_P)		
	kW	r/min	75%~100%	COSφ	IN A	———	TN(Nm)	———	———	dB(A)	kg.m²	kg
YBX5-80M1-2	0.75	2825	86.3	0.83	1.59	10	2.54	2.3	2.3	56	0.0053	50
YBX5-80M2-2	1.1	2825	87.8	0.83	2.29	9	3.72	2.3	2.3	56	0.0074	53
YBX5-90S-2	1.5	2840	88.9	0.84	3.05	9	5.04	2.3	2.3	64	0.0095	60
YBX5-90L-2	2.2	2840	90.2	0.85	4.36	9.5	7.40	2.3	2.3	64	0.018	64
YBX5-100L-2	3	2880	91.1	0.87	5.75	9.5	9.95	2.3	2.3	68	0.032	82
YBX5-112M-2	4	2890	91.8	0.88	7.52	9.5	13.2	2.3	2.3	69	0.066	125
YBX5-132S1-2	5.5	2900	92.6	0.88	10.3	9.5	18.1	2.2	2.3	68	0.077	126
YBX5-132S2-2	7.5	2900	93.3	0.89	13.7	9.5	24.7	2.2	2.3	68	0.22	147
YBX5-160M1-2	11	2930	94	0.89	20.0	9.5	35.9	2.2	2.3	67	0.26	160
YBX5-160M2-2	15	2930	94.5	0.89	27.1	9.5	48.9	2.2	2.3	67	0.33	176
YBX5-160L-2	18.5	2930	94.9	0.89	33.3	9.5	60.3	2.2	2.3	67	0.39	242
YBX5-180M-2	22	2940	95.1	0.89	39.5	9.5	71.5	2.2	2.3	77	0.66	305
YBX5-200L1-2	30	2950	95.5	0.89	53.6	9	97.1	2.2	2.3	79	0.77	320
YBX5-200L2-2	37	2950	95.8	0.89	65.9	9	119.8	2.2	2.3	79	1.34	420
YBX5-225M-2	45	2970	96	0.89	80.0	9	144.7	2.2	2.3	82	1.63	441
YBX5-250M-2	55	2970	96.2	0.89	97.6	9	176.9	2.2	2.3	82	1.98	656
YBX5-280S-2	75	2970	96.5	0.89	132.7	8.5	241.2	2.0	2.3	83	2.12	945
YBX5-280M-2	90	2970	96.6	0.89	159.1	8.5	289.4	2.0	2.3	83	2.37	1155
YBX5-315S-2	110	2980	96.8	0.89	194.0	8.5	352.5	1.9	2.3	85	2.54	1218
YBX5-315M-2	132	2980	96.9	0.89	232.6	8.5	423.0	1.9	2.2	85	2.86	1418
YBX5-315L1-2	160	2980	97	0.9	278.5	8.5	512.8	1.9	2.2	85	3.38	1575
YBX5-315L-2	185	2980	97.2	0.9	321.3	8.5	592.9	1.9	2.2	85	3.58	1680
YBX5-315L2-2	200	2980	97.2	0.9	347.4	8.5	640.9	1.9	2.2	85	4.05	1775
YBX5-355S1-2	185	2980	97.2	0.9	321.3	8.5	592.9	1.9	2.2	85	5.06	1775
YBX5-355S2-2	200	2980	97.2	0.9	347.4	8.5	640.9	1.9	2.2	85	5.73	1932
YBX5-355M1-2	220	2980	97.2	0.9	382.1	8.5	705.0	1.8	2.2	85	6.53	2205
YBX5-355M2-2	250	2980	97.2	0.9	434.2	8.5	801.2	1.8	2.2	85	6.87	2373
YBX5-355L1-2	280	2980	97.2	0.87	503.1	8.5	897.3	1.8	2.2	85	7.30	2436
YBX5-355L2-2	315	2980	97.2	0.87	566.0	8.5	1009.5	1.8	2.2	85	7.41	2604

1 U 380V I =IN*380/U
2 60Hz 200 355 2 6dB(A)
5dB(A)

4 50Hz 1500r/min IE5 GB18613-2020 1

6 50Hz 1000r/min IE5 GB18613-2020 1

			%		(380V)A					(L_P)		
	kW	r/min	75%~100%	COSφ	IN A	———	TN(Nm)	———	———	dB(A)	kg.m^2	kg
YBX5-80M1-6	0.37	910	81.6	0.7	0.98	10	3.88	1.9	2.0	49	0.0074	48
YBX5-80M2-6	0.55	910	84.2	0.72	1.38	9	5.77	1.9	2.1	49	0.013	53
YBX5-90S-6	0.75	910	85.7	0.72	1.85	8.5	7.87	2.1	2.1	49	0.016	59
YBX5-90L-6	1.1	910	87.2	0.73	2.63	7.8	11.5	2.1	2.1	49	0.033	64
YBX5-100L-6	1.5	940	88.4	0.74	3.48	8	15.2	2.1	2.1	53	0.045	82
YBX5-112M-6	2.2	940	89.7	0.74	5.04	8	22.4	2.1	2.1	57	0.441	125
YBX5-132S-6	3	960	90.6	0.74	6.80	7.5	29.8	2.0	2.1	61	0.71	126
YBX5-132M1-6	4	960	91.4	0.74	8.99	8	39.8	2.0	2.1	61	0.08	137
YBX5-132M2-6	5.5	960	92.2	0.75	12.1	8	54.7	2.0	2.1	61	0.85	162
YBX5-160M-6	7.5	970	92.9	0.78	15.7	8	73.8	2.1	2.1	62	1.27	185
YBX5-160L-6	11	970	93.7	0.78	22.9	8.5	108.3	2.1	2.1	62	1.39	236
YBX5-180L-6	15	970	94.3	0.81	29.8	8.5	147.7	2.0	2.1	62	1.70	305
YBX5-200L1-6	18.5	970	94.6	0.81	36.7	8.5	182.1	2.1	2.1	68	1.93	331
YBX5-200L2-6	22	970	94.9	0.82	43.0	8.5	216.6	2.1	2.1	68	2.55	431
YBX5-225M-6	30	980	95.3	0.81	59.0	8.5	292.3	2.0	2.1	68	2.81	473
YBX5-250M-6	37	980	95.6	0.84	70.0	8.5	360.6	2.1	2.1	70	3.63	667
YBX5-280S-6	45	980	95.8	0.86	83.0	8.5	438.5	2.1	2.0	72	4.17	767
YBX5-280M-6	55	980	96	0.86	101.2	8.5	536.0	2.0	2.0	72	4.80	1134
YBX5-315S-6	75	985	96.3	0.85	139.2	8	727.2	2.0	2.0	73	5.07	1197
YBX5-315M-6	90	985	96.5	0.84	168.7	8	872.6	2.0	2.0	73	5.59	1376
YBX5-315L1-6	110	985	96.6	0.85	203.5	8	1066.5	2.0	2.0	73	6.25	1470
YBX5-315L2-6	132	985	96.8	0.86	240.9	8	1279.8	2.0	2.0	73	7.69	1733
YBX5-355S-6	160	985	96.9	0.86	291.7	8	1551.3	1.9	2.0	79	8.28	1848
YBX5-355M1-6	185	985	97	0.86	337.0	8	1793.7	1.9	2.0	79	8.58	2069
YBX5-355M2-6	200	985	97	0.86	364.3	8	1939.1	1.9	2.0	79	8.66	2247
YBX5-355L1-6	220	985	97	0.86	400.7	8	2133.0	1.9	2.0	79	8.78	2363
YBX5-355L2-6	250	985	97	0.86	455.3	8	2423.9	1.9	2.0	79	8.80	2394

1 U 380V I =IN*380/U
2 60Hz 200 355 2 6dB(A)
5dB(A)

8 50Hz 750r/min IE5 GB18613-2020 1

	B3	B6	B7	B8	V5	V6
						
	80~355	80~160				

	B5	V1	V3	B35	V15	V36
						
	80~280	80~355	80~160	80~355	80~160	

	B14	V18	B34
			
	80~112		

	IM
80~112	B3 B5 B6 B7 B8 B14 B34 B35 V1 V3 V5 V6 V15 V18 V35
132~160	B3 B5 B6 B7 B8 B35 V1 V3 V5 V6 V15 V35
180~280	B3 B5 B35 V1
315~355	B3 B35 V1

B3—

B5—

B35—

B14—

B34—

M6	80 112		Φ35	M30 × 2	
M6	132 180		Φ35	M36 × 2	
M8	200 225		Φ42	M48 × 2	
M10	250 280		Φ57	M64 × 2	
M16	315		Φ71	M64 × 2	
M16	355		Φ71	M72 × 2	

-	M20X1.5	φ11.0~φ14.3	φ12.5~φ20.5	φ5~φ14
80~100	M25X1.5	φ13~φ20.2	φ16.9~φ26	φ6~φ16
112~132	M32X1.5	φ19.0~φ26.5	φ22.0~φ33.0	φ10~φ22
160~180	M40X1.5	φ25.0~φ32.5	φ28.0~φ41.0	φ15~φ28
200~225	M50X1.5	φ31.5~φ44.4	φ36.0~φ52.6	φ23~φ36
250~280	M63X1.5	φ42.5~φ56.3	φ46.0~φ65.3	φ35~φ48
315~355	M63X1.5	φ42.5~φ56.3	φ46.0~φ65.3	φ35~φ48
-	M75X1.5	φ54.5~φ68.2	φ57.0~φ78.0	-
			H280	,H315

160 225 PTC 250-355

	(V)	(W)		
160~180	220	40		M20X1.5
200~225	220	60		M20X1.5
250~280	220	75		M20X1.5
315	220	150		M20X1.5
355	220	200		M20X1.5

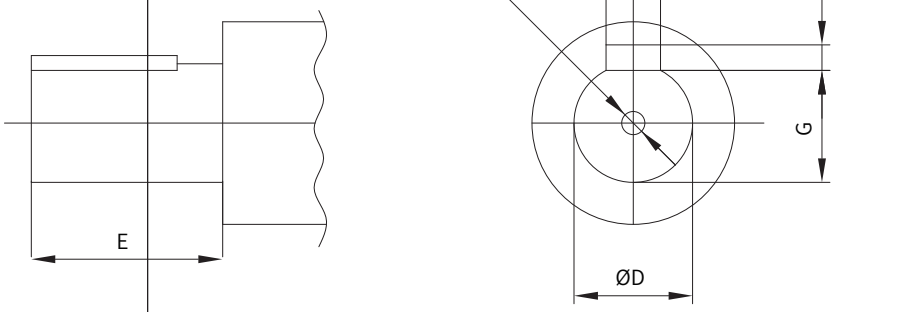
160~225		PTC	1		M20X1.5
250~355		PT100	6		M20X1.5
250~355		PT100	1		M20X1.5

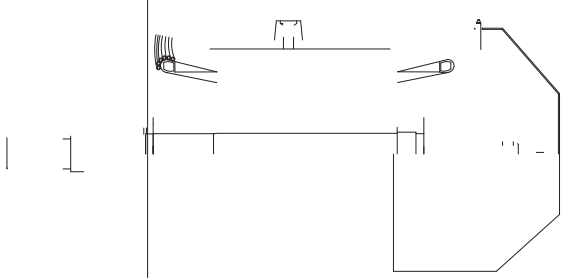
					( )
80	2~8	6204/2Z	6204/2Z	-	-
90	2~8	6205/2Z	6205/2Z	-	-
100	2~8	6206/2Z	6206/2Z	-	-
112	2~8	6206/2Z	6206/2Z	-	-
132	2~8	6308/2Z	6308/2Z	-	-
160	2	6309	6209	25	2000
160	4~8	6309	6209	25	3000
180	2	6310	6210	25	2000
180	4~8	6310	6210	25	3000
200	2	6312	6212	30	2000
200	4~8	6312	6212	30	3000
225	2	6313	6213	30	2000
225	4~8	6313	6213	30	3000
250	2	6314	6214	30	2000
250	4~8	6314	6214	30	3000
280	2	6314	6314	30	2000
280	4~8	6317	6317	35	3000
315	2	6316	6316	35	2000
315	4~8	6319	6319	40	3000
355	2	6318	6318	35	2000
355	4~8	6322	6322	40	3000

1 50Hz
2 60Hz 0.8( )
3 V5 V1 2
4 70 , 15 ,

mm	80 ≤ H ≤ 132		132 ≤ H ≤ 280		H 280	
	(μm)	(mm/s)	(μm)	(mm/s)	(μm)	(mm/s)
	25	1.6	35	2.2	45	2.8
	21	1.3	29	1.8	37	2.3

1 A ;
2 10Hz 250Hz


F
ØDB
GD
G
E
ØD



		D	E	F	GD	G	DB
80	2-8	19 j6	40	6	6	15.5	M6X14
90 S	2-8	24 j6	50	8	7	20	M8X18
90 L	2-8	24 j6	50	8	7	20	M8X18
100 L	2-8	28 j6	60	8	7	24	M10X22
112 M	2-8	28 j6	60	8	7	24	M10X22
132 S	2-8	38 k6	80	10	8	33	M12X25
132 M	2-8	38 k6	80	10	8	33	M12X25
160 M	2	42 k6	110	12	8	37	M16X36
160 M	4-8	42 k6	110	12	8	37	M16X36
160 L	2	42 k6	110	12	8	37	M16X36
160 L	4-8	42 k6	110	12	8	37	M16X36
180 M	2	48 k6	110	14	9	42.5	M16X36
180 M	4	48 k6	110	14	9	42.5	M16X36
180 L	2	48 k6	110	14	9	42.5	M16X36
180 L	4-8	48 k6	110	14	9	42.5	M16X36
200 L	2	55 m6	110	16	10	49	M20X42
200 L	4-8	55 m6	110	16	10	49	M20X42
225 S	2	55 m6	110	16	10	49	M20X42
225 S	4-8	60 m6	140	18	11	53	M20X42
225 M	2	55 m6	110	16	10	49	M20X42
225 M	4-8	60 m6	140	18	11	53	M20X42
250 M	2	60 m6	140	18	11	53	M20X42
250 M	4-8	65 m6	140	18	11	58	M20X42
280 S	2	65 m6	140	18	11	58	M20X42
280 S	4-8	75 m6	140	20	12	67.5	M20X42
280 M	2	65 m6	140	18	11	58	M20X42
280 M	4-8	75 m6	140	20	12	67.5	M20X42
315 S	2	65 m6	140	18	11	58	M20X42
315 S	4-8	80 m6	170	22	14	71	M20X42
315 M	2	65 m6	140	18	11	58	M20X42
315 M	4-8	80 m6	170	22	14	71	M20X42
315 L	2	65 m6	140	18	11	58	M20X42
315 L	4-8	80 m6	170	22	14	71	M20X42
355 S	2	75 m6	140	20	12	67.5	M24X50
355 S	4-8	95 m6	170	25	14	86	M24X50
355 M	2	75 m6	140	20	12	67.5	M24X50
355 M	4-8	95 m6	170	25	14	86	M24X50
355 L	2	75 m6	140	20	12	67.5	M24X50
355 L	4-8	95 m6	170	25	14	86	M24X50

C DB B

				(IMB5, IMB35, IMV1,)							(IMB14, IMB34)					
		HB	LA		M	N	P	S	α	T		M	N	P	S	T
80	2-6	300	15	FF165	165	130	200	4 × φ12	45°	3.5	FF100	100	80	120	4 × M6	3
90 S	2-6	305	12	FF165	165	130	200	4 × φ12	45°	3.5	FF115	115	95	140	4 × M8	3
90 L	2-8	305	12	FF165	165	130	200	4 × φ12	45°	3.5	FF115	115	95	140	4 × M8	3
100 L	2-8	335	18	FF215	215	180	250	4 × φ14.5	45°	4.0	FF130	130	110	160	4 × M8	3.5
112 M	2-8	335	18	FF215	215	180	250	4 × φ14.5	45°	4.0	FF130	130	110	160	4 × M8	3.5
132 S	2-8	358	12	FF265	265	230	300	4 × φ14.5	45°	4.0	–	–	–	–	–	–
132 M	2-8	358	12	FF265	265	230	300	4 × φ14.5	45°	4.0	–	–	–	–	–	–
160 M	2-8	385	18	FF300	300	250	350	4 × φ18.5	45°	5.0	–	–	–	–	–	–
160 L	2-8	385	18	FF300	300	250	350	4 × φ18.5	45°	5.0	–	–	–	–	–	–
180 M	2-4	410	20	FF300	300	250	350	4 × φ18.5	45°	5.0	–	–	–	–	–	–
180 L	4-8	410	20	FF300	300	250	350	4 × φ18.5	45°	5.0	–	–	–	–	–	–
200 L	2-8	470	22	FF350	350	300	400	4 × φ18.5	45°	5.0	–	–	–	–	–	–
225 S	4-8	475	20	FF400	400	350	450	8 × φ18.5	22.5°	5.0	–	–	–	–	–	–
225 M	2-8	475	20	FF400	400	350	450	8 × φ18.5	22.5°	5.0	–	–	–	–	–	–
250 M	2-8	585	25	FF500	500	450	550	8 × φ18.5	22.5°	5.0	–	–	–	–	–	–
280 S	2-8	585	25	FF500	500	450	550	8 × φ18.5	22.5°	5.0	–	–	–	–	–	–
280 M	2-8	585	25	FF500	500	450	550	8 × φ18.5	22.5°	5.0	–	–	–	–	–	–
315 S	2-8	685	20	FF600	600	550	660	8 × φ24	22.5°	6.0	–	–	–	–	–	–
315 M	2-8	685	20	FF600	600	550	660	8 × φ24	22.5°	6.0	–	–	–	–	–	–
315 L	2-8	685	20	FF600	600	550	660	8 × φ24	22.5°	6.0	–	–	–	–	–	–
355 S	6-8	755	30	FF740	740	680	800	8 × φ24	22.5°	6.0	–	–	–	–	–	–
355 M	2-8	755	30	FF740	740	680	800	8 × φ24	22.5°	6.0	–	–	–	–	–	–
355 L	2-8	755	30	FF740	740	680	800	8 × φ24	22.5°	6.0	–	–	–	–	–	–

B5 280

- Ex d B T4 Gb/ Ex d C T4 Gb
- 380V 660V
- 50Hz 60Hz
- IMB3 IMB35
- IP55/IP56/IP65/IP66
- S1
- 155 F

- 355 220kW 2P IIB T4 380/660V IP55
  YBX5-355M1-2 220kW 380/660V 50Hz IMB3 Ex d IIB T4 Gb IP55

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