

JXQ(D) Series AC Motor for Storage Battery

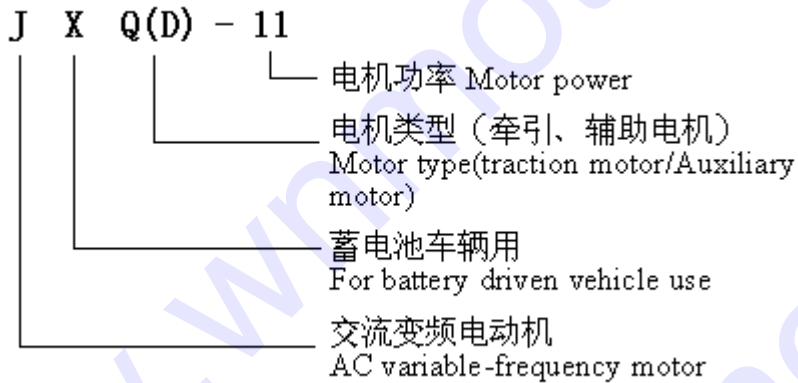


- Rated output: 0.75 to 100kW
 - Insulation class: F
- Voltage: 22-500V
Duty Cycle: S2, S1

Application: Ideal for the electric forklift, electric vehicle, electric bus or oil pump and such equipment which is driven by battery.

Feature: With complete speed feedback and temperature detection protection system, the motor will match with various electronic control system like DMC, DANAHER, KDS, GE etc; low noise, high efficiency, large over-torque, compact structure; can work in the environment whose relative humid is 100% or the environment by which condensation will form on the motor surface; needn't replace brush or commutator which is need to replace regularly by general DC motor.

Designations of the type



Performance Data

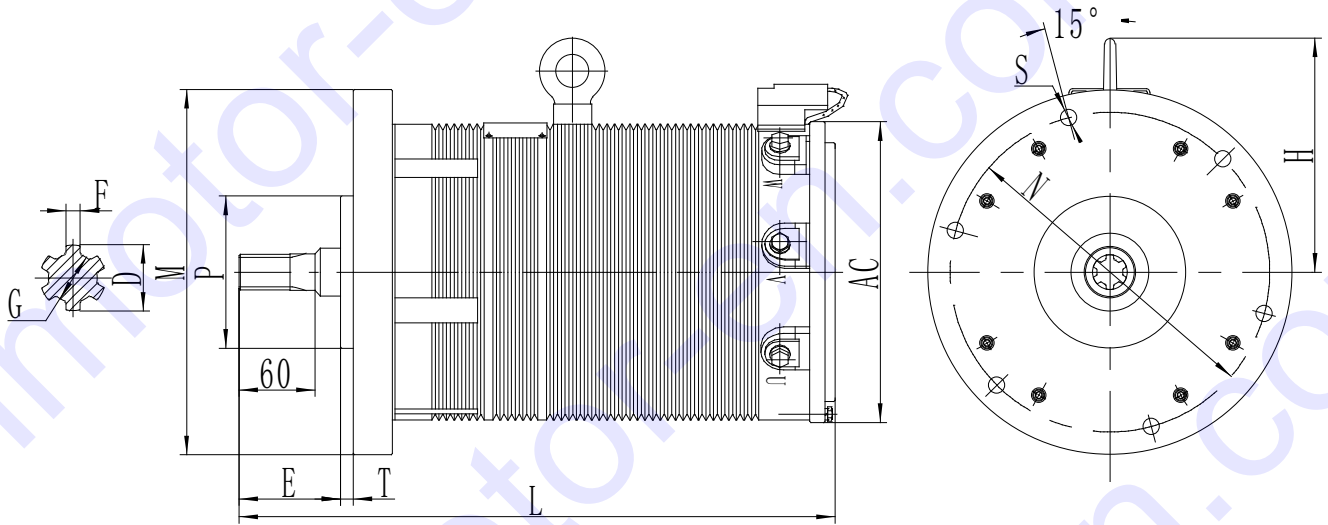
Battery-used AC traction motor、auxiliary motor

No	Type	Rated output (kW)	Rated voltage (V)	Rated current (A)	Reference frequency (Hz)	RPM (r/min)	Battery voltage (V)	Duty cycle	Application
1	JXQ-0.75	0.75	17	46	75	2040	24	S2-60min	For Tray truck
2	JXQ-1.1	1.1	17	65	75	2060	24	S2-60min	For Tray truck
3	JXQ-1.5	1.5	17	83	75	2080	24	S2-60min	For Tray truck
4	JXQ-1.5-1	1.5	25	56	75	2080	36	S2-60min	For Tray truck and E-pallet truck
5	JXQ-2.2	2.2	25	78.5	60	1700	36	S2-60min	For Tray truck and E-pallet truck
6	JXQ-2.2	2.2	33	60	60	1700	48	S2-60min	For Stacker lorry and E-pallet truck
7	JXQ-3	3	33	78	60	1700	48	S2-60min	For Stacker lorry and E-pallet truck
8	JXQ-4	4	33	105	75	2120	48	S2-60min	For E-pallet truck and E-forklift
9	JXQ-4.5	4.5	28	134	90	2620	48	S2-60min	For 3-wheel front 2-drive forklift
10	JXQ-5	5	33	124	65	1850	48	S2-60min	For E-pallet truck
11	JXQ-6.3	6.3	33	154	60	1720	48	S2-60min	For E-pallet truck and 3-wheel front 2-drive forklift
12	JXQ-7.5	7.5	33	180	60	1720	48	S2-60min	For 3-wheel front 2-drive forklift
13	JXQ-8	8	33	192	44	1250	48	S2-60min	For 1.5T forklift
14	JXQ-10	10	33	240	65	1860	48	S2-60min	For E-tractor and E-vehicle
15	JXQ-11	11	34	256	42	1330	48	S2-60min	For 2T forklift
16	JXQ-16.6	16.6	52	250	55	1550	80	S2-60min	For 3T forklift and E-tractor
17	JXQ-18.5	18.5	52	265	75	2130	80	S2-60min	For E-tractor and E-vehicle
18	JXQ-22	22	52	310	65	1860	80	S2-60min	For E-tractor and E-vehicle
19	JXQ-30	30	52	425	60	1710	80	S2-60min	For E-vehicle
20	JXQ-55	55	380	105	75	2200	500	S1	For E-medium bus and E-vehicle
21	JXQ-75	75	380	145	75	2200	500	S1	For E-medium bus and City bus
22	JXQ-100	100	380	185	65	1920	500	S1	For E-bus and City bus
23	JXQD-7.8	7.8	31	200	69	1970	48	S3-15%	For 1.5T forklift and Oil pump
24	JXQD-10	10	31	255	75	2153	48	S3-15%	For 1.5T forklift and Oil pump
25	JXQD-12	12	31	278	75	2153	48	S3-15%	For 2T forklift and Oil pump
26	JXQD-13.5	13.5	43	250	60	1765	80	S3-15%	For 3T forklift and Oil pump

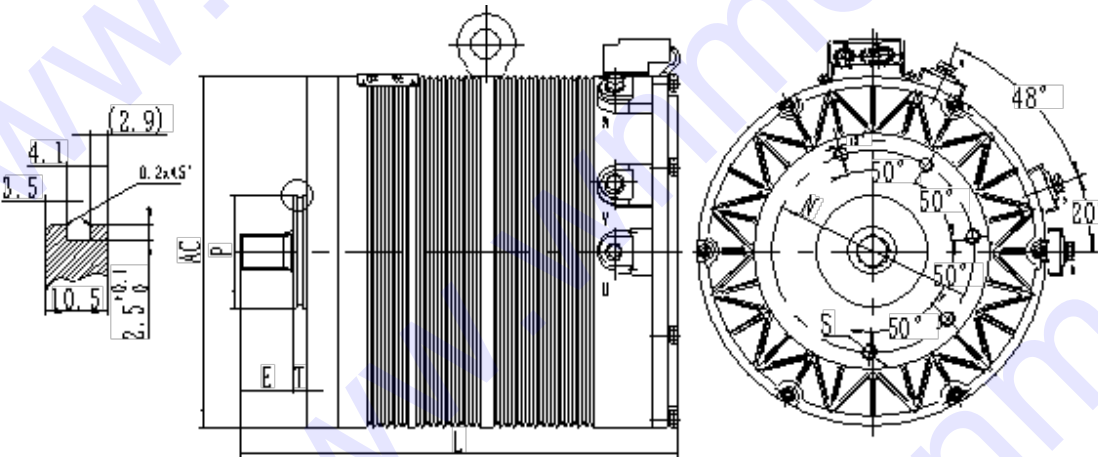
Dimensions

mm

Traction AC motor for 1~1.5T forklift

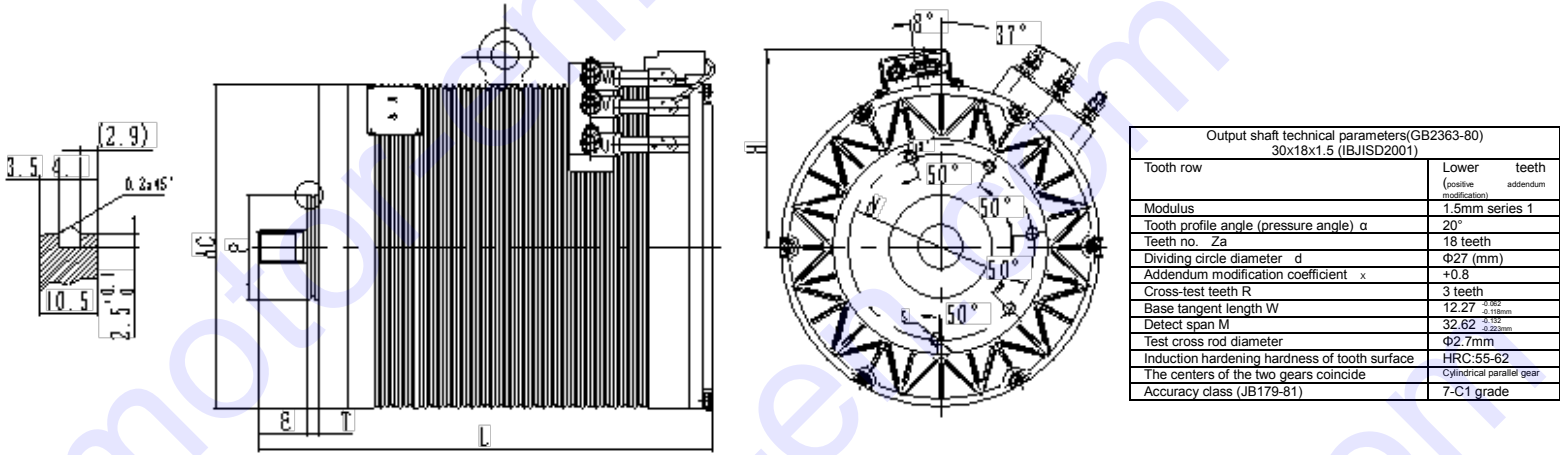


Type	Mounting Dimension									Overall Dimension		
	T	E	D	F	G	M	P	N	S	H	AC	L
JXQ-8	10	90	28	6	23	288	120	252	Φ13.2	185	233	470



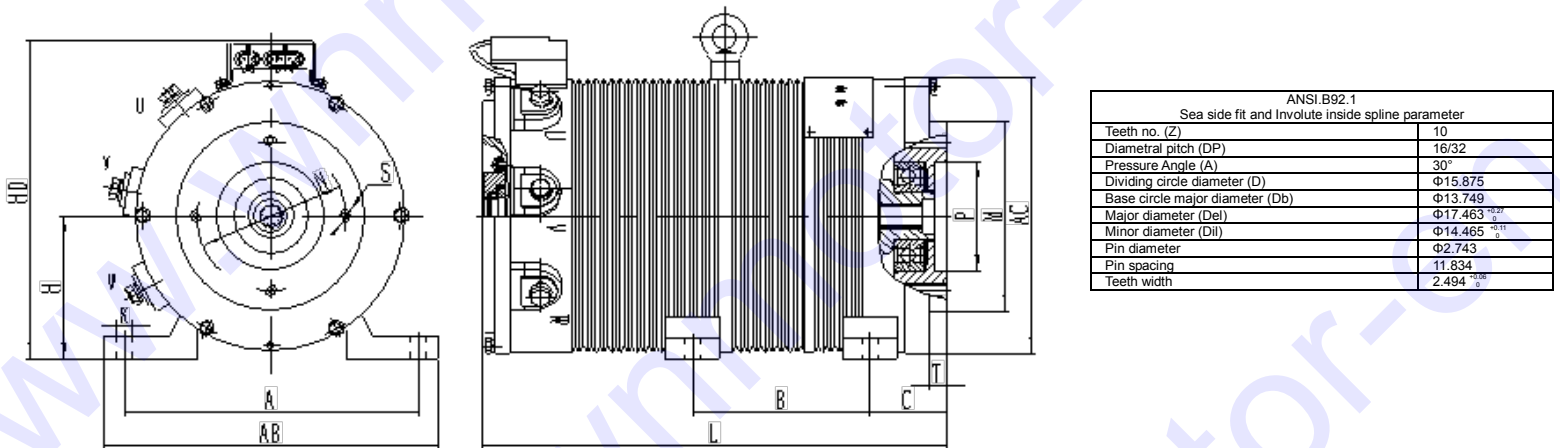
Output shaft technical parameters(GB2363-80) 30x18x1.5 (IBJISD2001)	
Modulus	1.5mm
Tooth profile angle (pressure angle) α	20°
Teeth no. Za	18 teeth
Dividing circle diameter d	Φ27 (mm)
Addendum modification coefficient x	+0.8
Cross-test teeth R	3 teeth
Base tangent length W	12.27 ^{+0.02} _{-0.04mm}
Detect span M	32.62 ^{+0.02} _{-0.04mm}
Test cross rod diameter	Φ2.7mm
Induction hardening hardness of tooth surface	HRC:55-62
The centers of the two gears coincide	Cylindrical parallel gear
Accuracy class (JB179-81)	7-C1 grade

Type	Mounting Dimension					Overall Dimension		
	T	E	P	N	S	H	AC	L
JXQ-11	10.5	55	95	170	M14X1.5	220	296	368

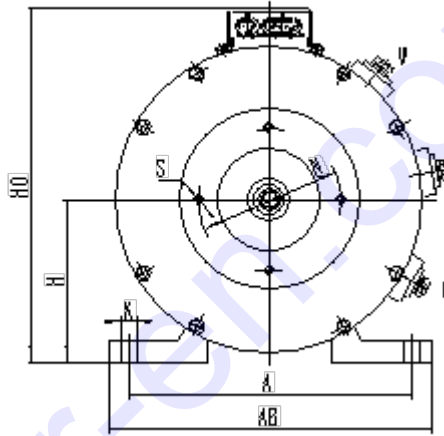
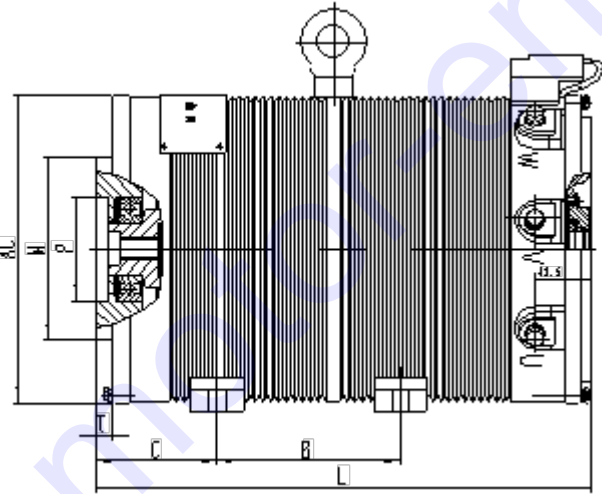


Type	Mounting Dimension					Overall Dimension		
	T	E	P	N	S	H	AC	L
JXQ-16.6	10.5	55	95	170	M14X1.5	220	296	416

AC auxiliary motor for 1-2.5T forklift



Type	Mounting Dimension										Overall Dimension			
	T	M	P	A	B	C	H	N	K	S	HD	AB	AC	L
JXQD-10	14	140	80	216	130	57	125	109	$\Phi 12$	M10	277	246	208	342
JXQD-12	14	140	80	216	110	93	125	109	$\Phi 12$	M10	277	246	208	387



ANSI B92.1 Sea side fit and Involute inside spline parameter	
Teeth no. (Z)	10
Diametral pitch (DP)	16/32
Pressure Angle (A)	30°
Dividing circle diameter (D)	Φ15.875
Base circle major diameter (Db)	Φ13.749
Major diameter (De)	Φ17.463 ^{+0.27}
Minor diameter (Di)	Φ14.465 ^{-0.11}
Pin diameter	Φ2.743
Pin spacing	11.634
Teeth width	2.494 ^{+0.08}

Type	Mounting Dimension										Overall Dimension			
	A	B	C	T	M	P	H	N	K	S	AB	AC	HD	L
JXQD-13.5	216	140	93	12	140	80	125	109	Φ12	M10×1.25	246	237	310	378

Note: Dimensions here are indicative only. Actual product may differ. Data above may be changed without prior notice.