

MODEL NUMBER	IEEE75-18-365T		
HORSEPOWER	75		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	460 / 3		
FRAME	365T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ		
FULL LOAD SPEED	1780 RPM		
SERVICE FACTOR	1.15		
INSULATION CLASS	F Class N Varnish		
FULL LOAD AMPS	85.1 A		
LOCKED ROTOR CURRENT (% Full Load)	690 %		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	95.4 %	85.0 %
	75 %	95.5 %	81.9 %
	50 %	93.6 %	74.1 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	217.7 lb.ft	150 %	220 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>	<u>MOTOR</u>	
	654.961 lb.ft <sup>2</sup>	20.900 lb.ft <sup>2</sup>	
SOUND PRESSURE LEVEL ( No Load 1 M From Motor)	82 dB(A)		
MAX. SHAFT VIBRATION	0.08 In/Sec – Peak Velocity		
NUMBER OF STARTS (Hot / Cold)	2 Hot / 3 Cold		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft. Above Sea Level		
TEMPERATURE RISE (At Full Load)	80° C		
DRIVE-END BEARING	6314C3		
OPPOSITE DRIVE-END BEARING	6213C3		
BEARING SEAL TYPE	ProTech™ IP66 Labyrinth On DE and ODE		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable), W6, W8, B3, V5, V6		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	820 lbs		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D, T3A		
PAINT	Epoxy		
INVERTER RATING	10:1 CT / 1000:1 VT		
INSULATION TYPE	Hyundai Inverter Shield, Meets NEMA MG1 Part 31		
SPECIFICATION - In Accordance With	IEEE-841, Version 2009, NEMA, CSA		



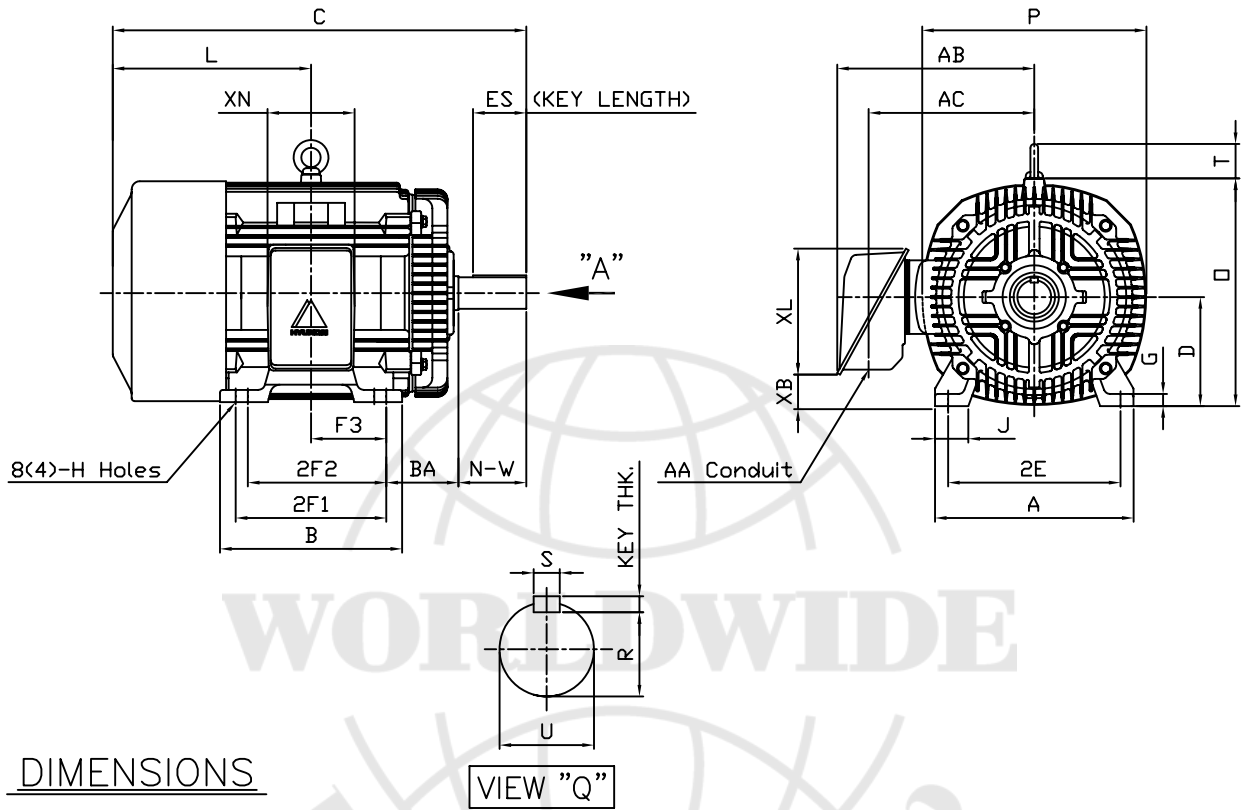
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본 도면은 현대중공업(주) 재산이며 복제할 수 없음 (취급유의)

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		<b>IEEE841 TEFC</b> <b>THREE PHASE INDUCTION MOTOR</b>		<b>TYPE</b>	PLP Cast iron frame
FRAME SIZE	OUTPUT(HP)	POLES	Hz	TIME RATING	
365T			60	CONT	



DIMENSIONS

VIEW "Q"

MOUNTING

CONDUIT BOX

APPROX. WGT.(LB)  
820

A	B	2E	2F1	2F2	F3	G	J	H	AA	AB	AC	XB	XL	XN
16.14	14.92	14.00	12.25	(11.25)	6.122	0.98	2.72	0.66	3.00	17.13	13.82	2.70	10.24	7.09

OVERALL

SHAFT

KEY

BEARING

BA	C	D	L	O	P	T	U	N-W	KEYWAY			THK.	DRIVE END	OPP. DRIVE END
									R	ES	S			
5.88	35.20	9.00	17.32	18.50	18.23	2.80	2.375	5.88	2.021	4.28	0.625	0.625	6314C3	6213C3

NOTE

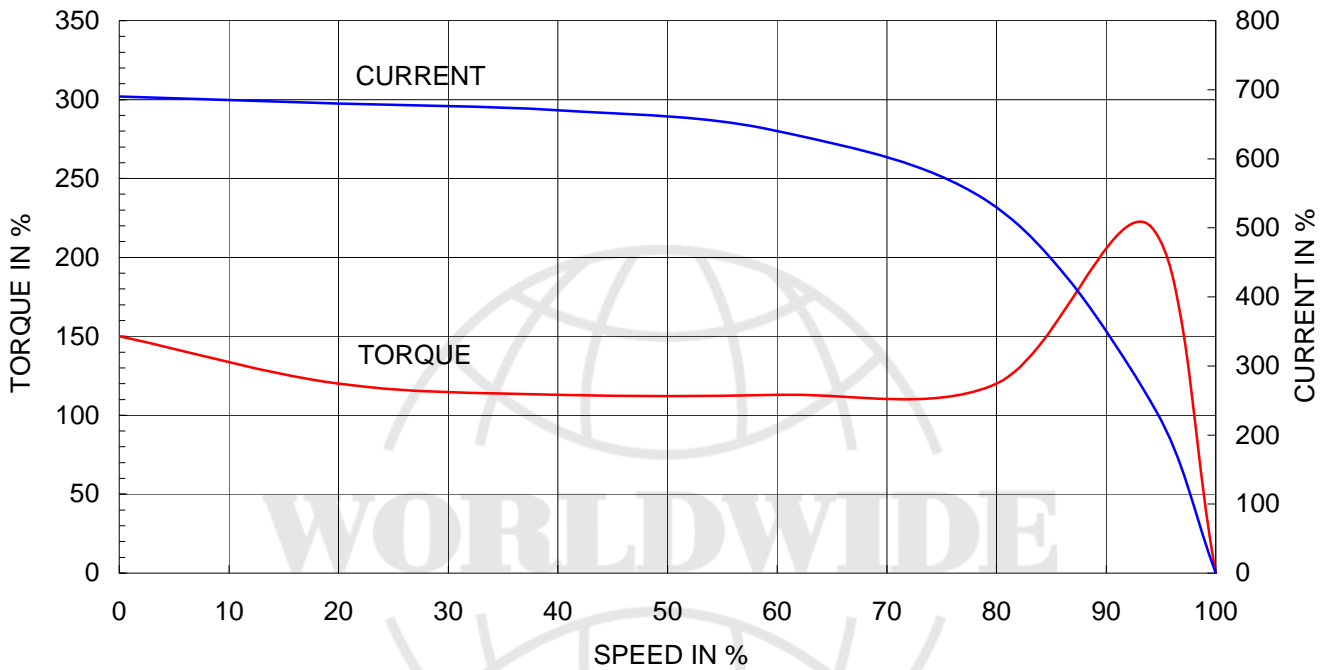
1. Dimension "D" tolerance : +0.00inch - 0.03inch (143T-365T) ; +0.000inch - 0.06inch (404T-449T)
2. Dimension "U" tolerance : +0.000inch - 0.005inch (143T-215T), +0.000inch - 0.001inch (254T-449T)
3. Dimension "R" tolerance : +0.000inch - 0.015inch

Q'TY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.
APPD BY	K.J.KANG	UNIT	INCH	SUBJECT	365T	CAD PROJ ㄹ \ FILE ㄹ	
Q.P CHK	O.J.KIM	SCALE	N/S				
CHKD BY	N.D.LEE	PROJEC'N	3 각법(3rd Angle)	TITLE			
DSND BY	A.L.SHIN	DATE	2011.03.31				
				REF. NO	A8114AA	Sheet No.	of
				DWG NO	350A8114AA	Revision No.	0

Type	: PLP
Full Load Torque	: 217.7 lb.ft
Motor moment of Inertia (J)	: 20.900 lb.ft <sup>2</sup>
Load moment of Inertia (J)	: 654.961 lb.ft <sup>2</sup>

55 kW	75 HP	60 Hz
4 P	Rated Speed : 1780 RPM	
Rated Voltage	460V	
Full Load Current	85.1A	

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

