

# Subject: Low voltage squirrel cage induction motors

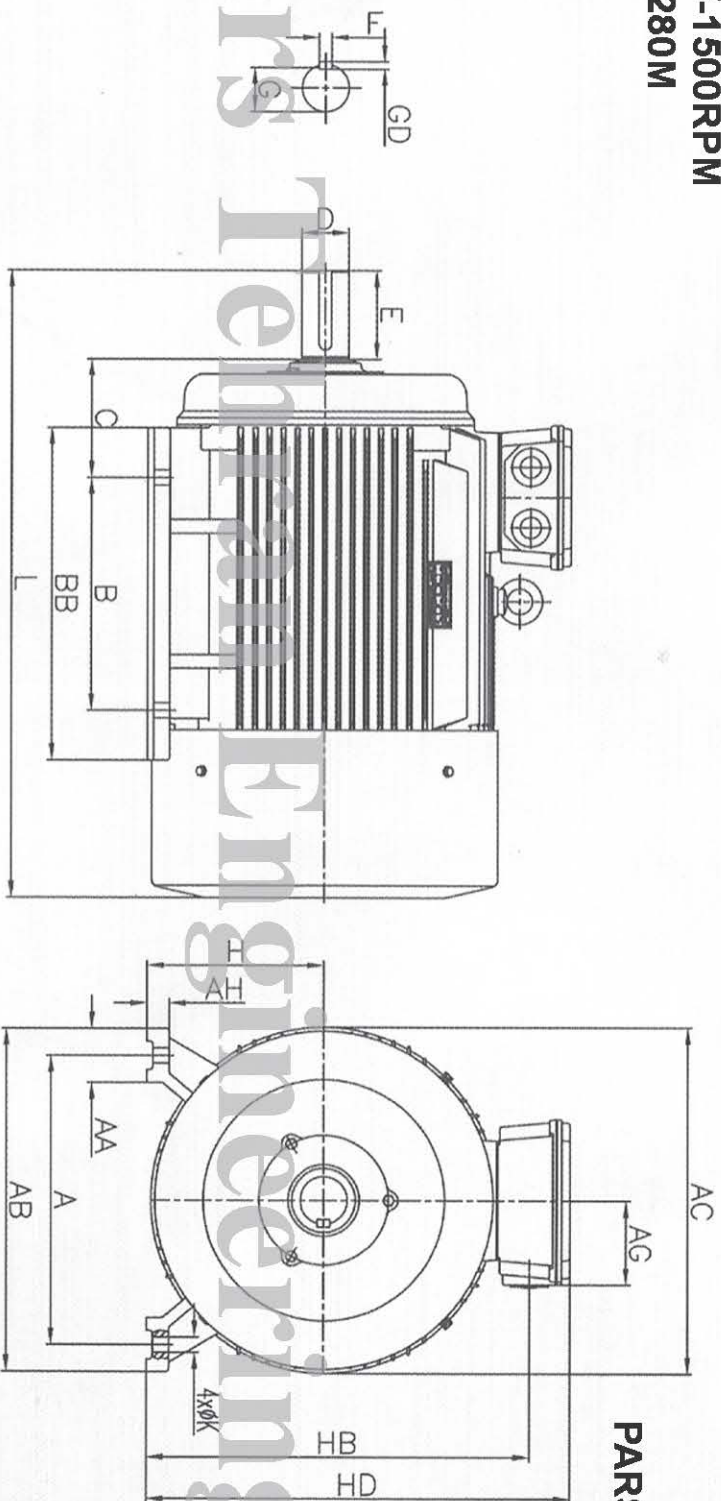
Customer				Manufacturer <span style="float: right;">Jemco</span>				
Motor Type <span style="float: right;">YD1282-4A0</span>				Average sound pressure level		No load	load	
Frame Size <span style="float: right;">280M</span>		Number of poles <span style="float: right;">4</span>						
Mounting design <span style="float: right;">B3</span>		Type of encloser <span style="float: right;">IP-55</span>		Direction of rotation <span style="float: right;">both <input type="checkbox"/> CW <input type="checkbox"/> CCW <input type="checkbox"/></span>				
EX-Protective system				Bearing DE/NDE <span style="float: right;">6208-2z/6208-2z</span>				
Duty type <span style="float: right;">S1</span>		Starting		Lubrication				
Ambient Temperture		55 C		Type of lubrication				
Thermal classification <span style="float: right;">F</span>		Tempertur rise <span style="float: right;">B</span>		Relubrication				
Term motor protection				outline dimention drawing No.				
Retad output <span style="float: right;">90 KW</span>				Location of Terminal Box				
rated voltage <span style="float: right;">380V</span>				Number of terminals				
connection <span style="float: right;">DELTA</span>				Cable entry thread				
Ferquency <span style="float: right;">50 HZ.</span>		speed <span style="float: right;">1489 rpm</span>		Net weight approx. <span style="float: right;">605 Kg</span>				
Rated current <span style="float: right;">158 A</span>				Test				
Starting Current <span style="float: right;">(I<sub>A</sub>/I<sub>N</sub>) 7</span>				Additional data and remarks: 1- Bearing Brand European :SKF,FAG				
Power Factor		4/4 0.91	3/4					1/2
Efficiency		4/4 93.5%	3/4					1/2
Rated torque <span style="float: right;">(M<sub>N</sub>) 581 Nm</span>								
starting torque <span style="float: right;">(M<sub>s</sub>/M<sub>N</sub>)=</span>								
Break-down torque <span style="float: right;">(M<sub>k</sub>/M<sub>N</sub>)= 2%</span>								
Rotor class								
Rotor voltage		Rotor current						
Moment of inertia <span style="float: right;">1.662 Kgm<sup>2</sup></span>								
Torque characteristic								
Attachments								
		Date	Name	Tolerances acc. To		NO.		
Designed								
checked								

# YD1282-4A0

90KW-1500RPM  
280M



PARS TEHRAN ENG. CO.



For motor

Dimension symbols to

Frame size	Type NO.	poles	H	A	B	C	D	E	F	G	GD	K	AA	AB	BB	AC	AG	HA	HD	L	HB
280M	YD1282-4A0	4	280	457	419	190	75	140	20	79.5	12	24	85	542	581	547	133	35	669	1047	605

