



NEMA Motor Data

MLFB-Ordering data : 1LE2321-4DA51-2AA3

Client order no. :
Order no. :
Offer no. :
Remarks :
Item no. :
Consignment no. :
Project :

Nameplate Data	Mounting and motor protection
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Type	SD100 - NEMA Premium Efficiency		
HP	250.0	Rating	Cont.
Voltage	(12) 460V STD, 60Hz	Ins. Class	Class F (Standard)
Amps	265.0 A	S.F.	1.15
FL RPM	3575	Amb. Temp.	+40C TO -20C
FL Efficiency	95.8 %	Temp. Rise	Class B
FRAME	449TS	kVA Code	G
DE AFBMA	80BC03JP30	NEMA Des	B
ODE AFBMA	80BC03JP30	Mtr WT	2272.04
60 Hertz	3 Ph	TEFC	IP 55

Type of construction	(A) Foot mounted - End shield
Motor protection	(A) No winding protection
Terminal box design	(3) Mounting - F-1

Bearing Data		
	DE	ODE
Bearing Size	6316 Z C3 S0	6316 Z C3 S0
Bearing Type	Ball Bearing	Ball Bearing
AFBMA	80BC03JP30	80BC03JP30

Typical Performance Data					
Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		95.7 %	96.0 %	95.8 %	
Power Factor		89.0	91.0	91.0	
Current (A)	45.0 A	137.4 A	201.0 A	265.0 A	1825.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data					
SAFE STALL TIME	HOT (s)	12	COLD (s)	18	
Rtr wt (lbs)	489.72	Rtr WK2	39.2		
FLT (lb-ft)	368.000	LRT	120	BDT	200
Ext Load Inertia (WK2) Capability	210.0 lb-ft²				

Typical Noise Data									
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A-weighted Sound	Octave Band Center Frequencies Hertz (Hz)								
Pressure Level	125	250	500	1000	2000	4000	8000	SPL	82
at 3 feet	54	69	73	78	78	72	63	SPwrL	94

Wiring Connection Information					
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Special design :					
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Description	3 PHASE - 3 LEAD - DELTA				
Voltage	L1	L2	L3	Connected together	
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-----	T1	T2	T3	----	Δ

Lubrication Information	
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Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	7.50
ODEnd Capacity (oz.)	7.50

Relubricate bearings every six months (more frequent if conditions require). See Instruction Manual.