

NEMA Motor Data



MLFB-Ordering data : 1LE2321-4CB63-2AA3-Z
D05

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	300.0	Rating	Cont.
Voltage	(32) 460V 60Hz	Ins. Class	Class F (Standard)
Amps	338.0 A	S.F.	1.15
FL RPM	1785	Amb. Temp.	+40C TO -20C
FL Efficiency	96.2 %	Temp. Rise	Class B
FRAME	449T	kVA Code	H
DE AFBMA	100RU03M0	NEMA Des	A
ODE AFBMA	80BC03JP30	Mtr WT	2455
60 Hertz	3 Ph TEFC	IP	55

Type of construction (A) Foot mounted - End shield

Motor protection (A) Without Protection

Terminal box design (3) F-1, Standard Floor Mount, T. Box

Bearing Data		
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	DE	ODE
Bearing Size	NU 320	6316 Z C3 S0
Bearing Type	Roller Bearing	Ball Bearing
AFBMA	100RU03M0	80BC03JP30

Typical Performance Data					
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Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		96.1 %	96.3 %	96.2 %	
Power Factor		75.0	83.0	86.0	
Current (A)	114.0 A	194.9 A	263.6 A	338.0 A	2400.0 A
Inverter Duty	VT	20:1	CT		

Mechanical Data				
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SAFE STALL TIME	HOT (s)	22	COLD (s)	30
Rtr wt (lbs)	679.34	Rtr WK2	69.5	
FLT (lb-ft)	882.0	LRT (%)	140	BDT (%) 200
Ext Load Inertia (WK2) Capability	1200.0 lb-ft ²			
Brake:	without			

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	84
at 3 feet	67	73	79	79	75	67	58	SPwrL	95

Wiring Connection Information					
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Description 3 PHASE - 6 LEAD - WYE/DELTA

Voltage	L1	L2	L3	Connected together	
START	T1	T2	T3	T4 T5 T6	Y
RUN	T1 T6	T2 T4	T3 T5	-- -- --	Δ

Special design :	
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D05 Documentation in Spanish

Lubrication Information	
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Manufacturer Mobil Polyrex EM or equal

Type Polyurea (standard)

DE Capacity (oz.) 14.50

ODEnd Capacity (oz.) 7.50

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