



Customer information packet

ZDM3768T

48M 6P TEBC HOR 215TC T'STATS VECTOR

Class - None

Division - Not Applicable

Specifications

Enclosure	TEBC
Frame	215TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	BLOWER
Current @ Voltage	14.600 A @ 230.0 V 7.300 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	90.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	ENCODER
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	7.3 a
Insulation Class	H

Part detail

Revision	E
Type	AC
Mech. spec.	07D515
Base	
Status	PRD/A
Elec. spec.	07WGX823
Layout	07LYD515
Eff. date	09-30-2025
CD Diagram	CD0005
Poles	06
Leads	9#14
Proprietary	False
Created date	03-12-2019

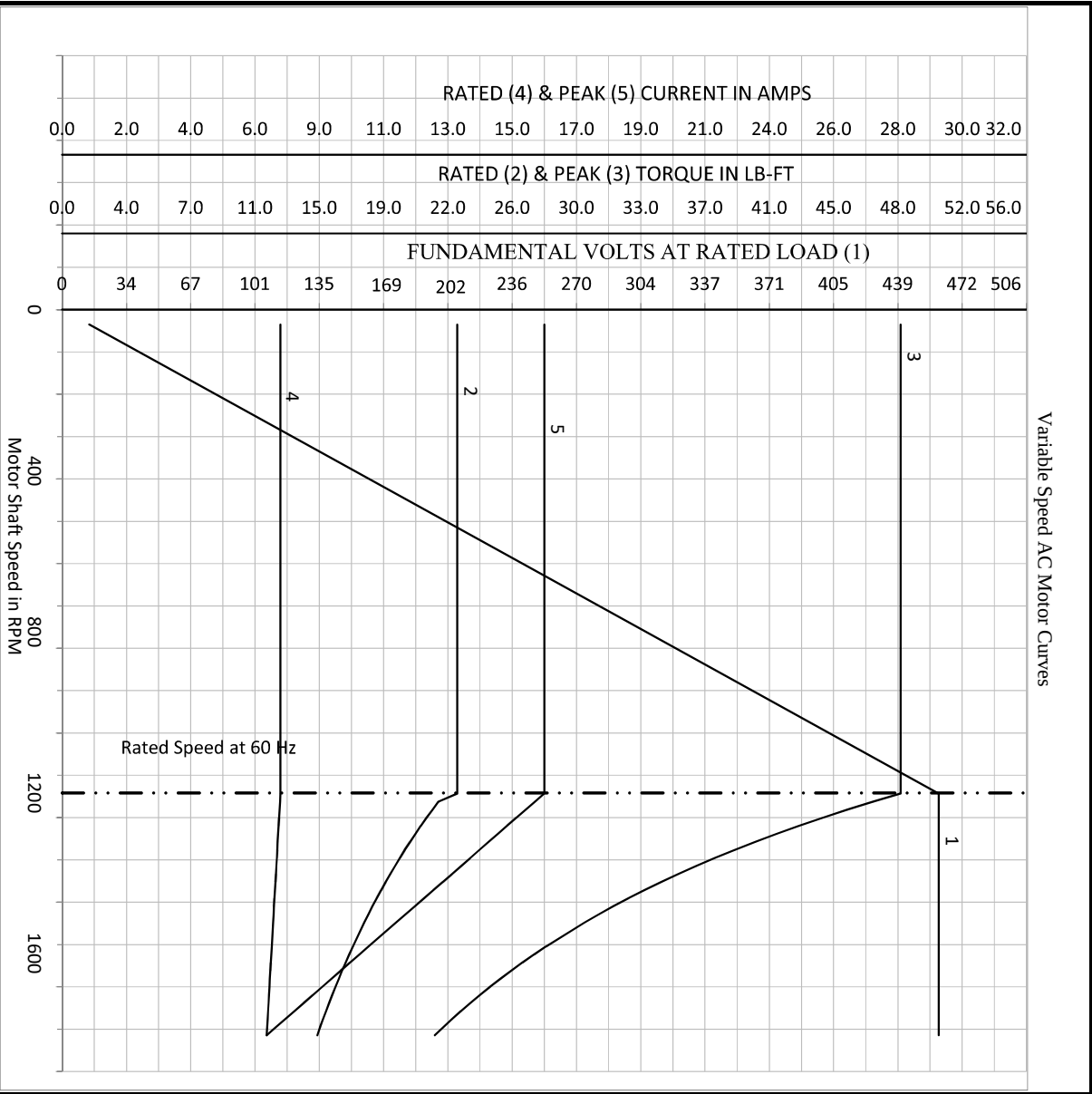
Inverter Code	Inverter Duty
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2000 rpm
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0748M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	25.58 IN
Power Factor	72
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible: Connected Standard
Shaft Slinger Indicator	No Slinger
Speed	1160 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP4539L									
CAT.NO.	ZDM3768T								
SPEC.	07D515X823Z1								
FRAME	215TC			H.P.	5 TE				
VOLTS	230/460								
MAG. CUR.	7.4/3.7				F.L. AMPS			14.6/7.3	
R.P.M.	1160			R.P.M. MAX		2000			
HZ.	60		PH.	3	CLASS		H		
SER.F.	1.00		DES.	A	SL HZ		2		
NEMA NOM. EFF.	90.2		WK2	1.19					
BLWR V		PH		HZ		AMPS			
RATING	40C AMB-CONT								
DE	6307		ODE	6206					
CC	010A	SN							
	1000:1 CT/VT								

NP VOLTS	230/460	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)					
NP AMPS	14.6/7.3	Base Volt	460	R1	0.000	X1	0.000
HP	5	NL AMPS	3.70	R2	0.000	X2	0.000
BASE SPEED	1163	Slip (HZ)	1.85				
PHASE/HZ	3/60	WK ² (lb-ft ²)	1.190			XM	0.000

NP VOLTS	230/460	Base Volt	460	WYE CONN EQ. CKT OHMS PER PHASE (BASE RATING, 20C)		
NP AMPS	14.6/7.3	NL AMPS	3.70	R1	0.000	X1 0.000
HP	5	Slip (Hz)	1.85	R2	0.000	X2 0.000
BASE SPEED	1163	WK ² (lb-ft ²)	1.190			XM 0.000
PHASE/HZ	3/60					



Calculated Data
Data Valid For Nameplate Speed Range only

BALDOR • RELIANCE

DR BY USBRRANI
CK BY CD
APP BY USBRRANI
DATE 11/5/2024

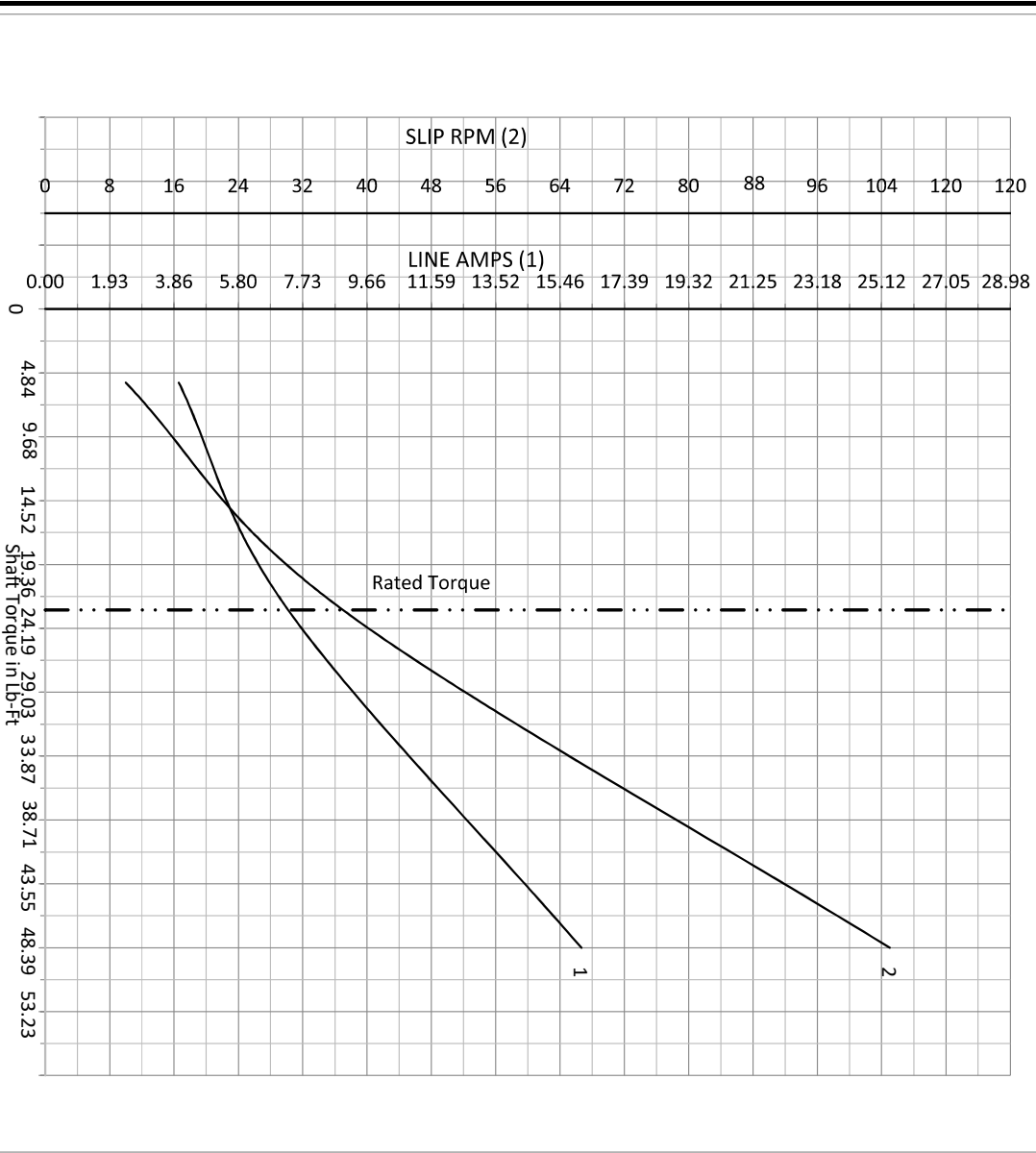
A-C MOTOR PERFORMANCE CURVES

07WGX823

Record: 36499

NP VOLTS	230/460	0	0	WYE CONN. EQ. CKT. OHMS PER PHASE (BASE RATING, 20C)			
NP AMPS	14.6/7.3	Base Volt	460	R1	0.000	X1	0.000
HP	5	NL AMPS	3.70	R2	0.000	X2	0.000
BASE SPEED	1163	Slip (HZ)	1.85	XM			
PHASE/HZ	3/60	WK2 (lb-ft/2)	1.190				

Vector PWM Inverter Duty
Variable Speed AC Motor Curves



Calculated Data
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BALDOR • RELIANCE	DR BY <u>USBRANI</u>	A-C MOTOR	07WGXR23
	CK BY <u>CD</u>	PERFORMANCE	
	APP BY <u>USBRANI</u>	CURVES	
	DATE <u>11/5/2024</u>		Record: 36499

