## BALDOR • RELIANCE II

# **Customer information packet** CESSWDM3546T

1HP, 1770RPM, 3PH, 60HZ, 143TC, 3522M, TEFC, F1 Class - None Division - Not Applicable

### Specifications

Enclosure	TEFC
Frame	143TC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.670 A @ 460.0 V
	3.300 A @ 208.0 V
	3.340 A @ 230.0 V
Design Code	В
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.7 a

#### Part detail

Revision	В
Туре	AC
Mech. spec.	35VV818
Base	
Status	PRD/A
Elec. spec.	35WGG184
Layout	35LYVV818
Eff. date	02-19-2024
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	03-11-2022

Inverter Code         Inverter Ready           KVA Code         N           Lifting Lugs         No Lifting Lugs           Locked Bearing Indicator         Locked Bearing           Motor Finish         UNPAINTED           Motor Lead Quantity/Wire Size         9 @ 18 AWG           Motor Lead Termination         Flying Leads           Motor Standards         NEMA           Motor Type         3522M           Motor Type         3522M           Mounting Arrangement         F1           Number of Poles         4           Overall Length         13.42 IN           Power Factor         66           Product Family         Wash Down All Stainless Steel           Pulley End Bearing Type         Sealed Bearing           Pulley Face Code         C-Face           Pulley Face Code         Sealed Bearing           Pulley Shaft Indicator         Standard           Rodent Screen         None           Service Factor         1.15           Shaft Diameter         0.875 IN           Shaft Ground Indicator         No Shaft Grounding           Shaft Singer Indicator         No Singer           Shaft Singer Indicator         No Singer           Shaft Sin	Insulation Class	F
Lifting LugsNo Lifting LugsLocked Bearing IndicatorLocked BearingMotor FinishUNPAINTEDMotor Lead Quantity/Wire Size9 @ 18 AWGMotor Lead TerminationFlying LeadsMotor StandardsNEMAMotor Type3522MMounting ArrangementF1Number of Poles4Overall Length13.42 INPower Factor66Product FamilyWash Down All Stainless SteelPulley End Bearing TypeSealed BearingPulley Face CodeC-FacePulley Shaft IndicatorStandardService Factor1.15Shaft Diameter0.875 INShaft Ground IndicatorNo Shaft GroundingShaft RotationReversibleShaft Slinger IndicatorNo SingerSpeed1770 rpmSpeed CodeSingle SpeedStarting MethodDirect on lineThermal Device - BearingNoneThermal Device - WindingNoneWinding Thermal 1No Vibration SensorWinding Thermal 1No Vibration Sensor	Inverter Code	Inverter Ready
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Speed CodeSingle SpeedStarting MethodDirect on lineThermal Device - BearingNoneThermal Device - WindingNoneVibration Sensor IndicatorNo Vibration SensorWinding Thermal 1None	Shaft Slinger Indicator	No Slinger
Starting MethodDirect on lineThermal Device - BearingNoneThermal Device - WindingNoneVibration Sensor IndicatorNo Vibration SensorWinding Thermal 1None	Speed	1770 rpm
Thermal Device - Bearing  Thermal Device - Winding  None  Vibration Sensor Indicator  Winding Thermal 1  None	Speed Code	Single Speed
Thermal Device - Winding  Vibration Sensor Indicator  Winding Thermal 1  None	Starting Method	Direct on line
Vibration Sensor IndicatorNo Vibration SensorWinding Thermal 1None	Thermal Device - Bearing	None
Winding Thermal 1 None	Thermal Device - Winding	None
<del>_</del>	Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 2 None	Winding Thermal 1	None
	Winding Thermal 2	None

### Nameplate

NP1951A01										
CAT.NO.	CESSW	CESSWDM3546T								
SPEC.	35VV8	18G184	-G1							
НР	1									
VOLTS	230/4	60								
AMP	3.34/1	3.34/1.67								
RPM	1770									
FRAME	143TC			ΗZ	60			РΗ		3
SER.F.	1.15	C	ODE	N	DES	В	CLASS		F	
NEMA-NOM-EFF	85.5		PI	F	66					
RATING	40C AN	40C AMB-CONT								
СС	010A									
DE	6205		(	DDE	6203					
ENCL	TEFC	SN								
	SFA 3.5	5/1.75								

#### BALDOR • RELIANCE [

#### **AC Induction Motor Performance Data**

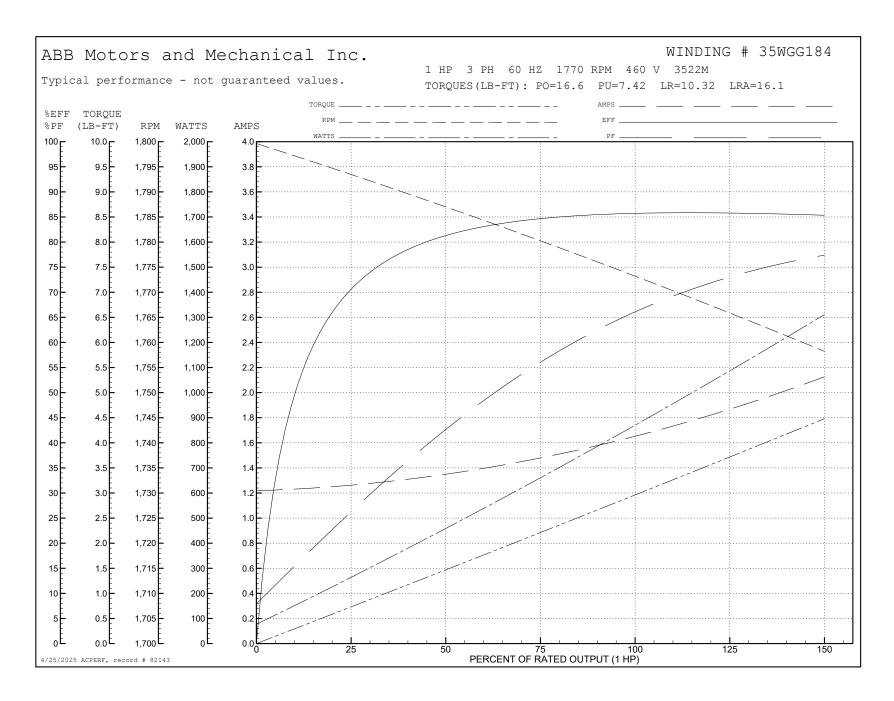
Record # 82143

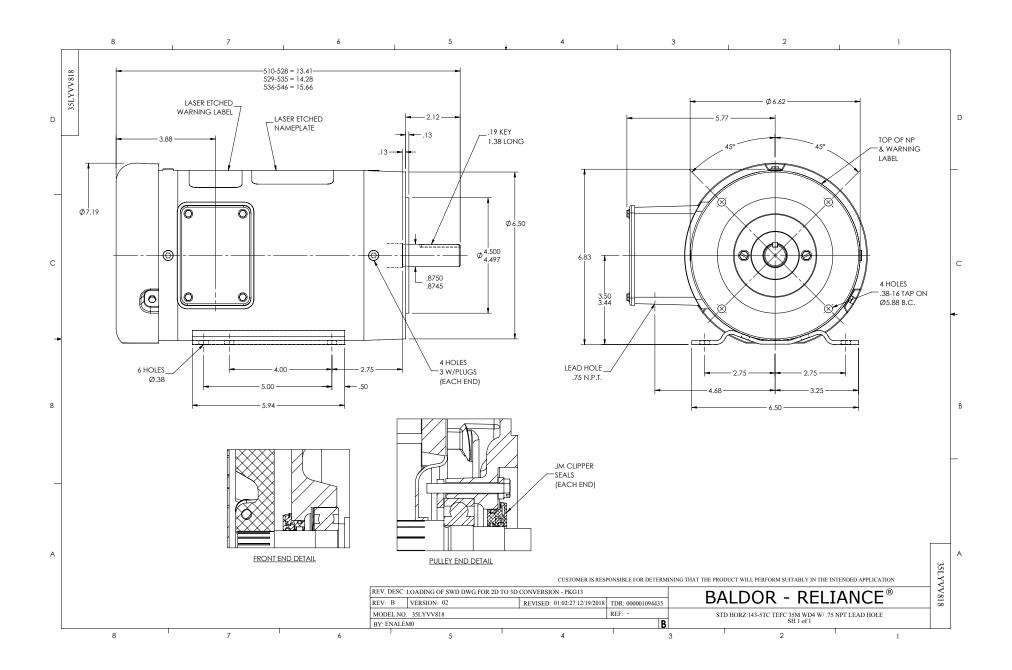
Typical performance - not guaranteed values

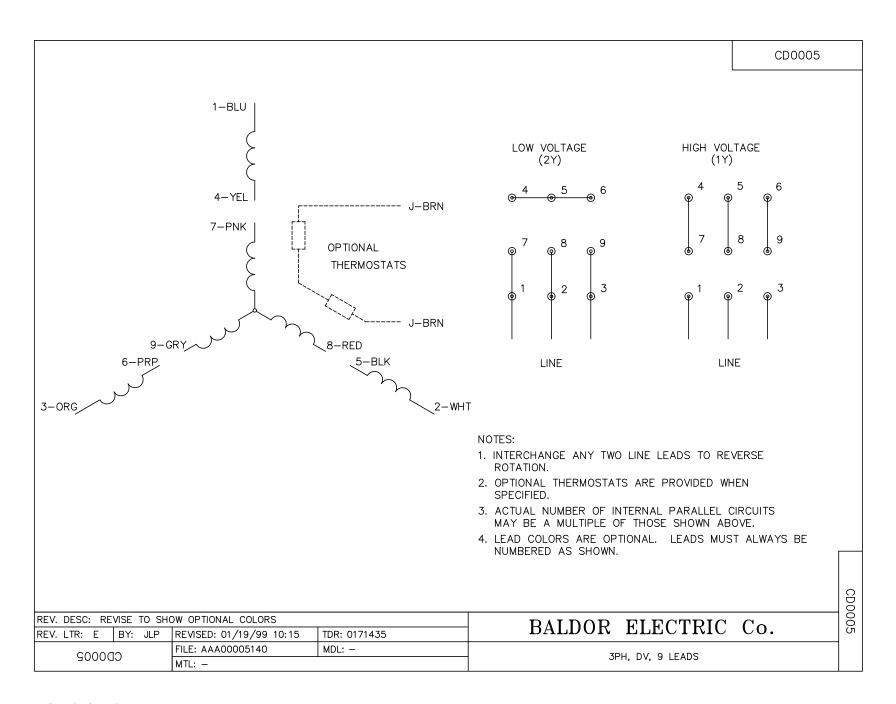
<b>Winding:</b> 35WGG184-R001 <b>Type:</b> 35		522M Enclosure: TENV			
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		1	Full Load Torque	2.99 LB-FT	
Volts		230/460	Start Configuration	direct on line	
Full Load Amps		3.2/1.6	Breakdown Torque	16.6 LB-FT	
R.P.M.		1770	Pull-up Torque	7.42 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque	10.32 LB-FT	
NEMA Design Code	B <b>KVA Code</b>	N	Starting Current	16.1 A	
Service Factor (S.F.)		1.15	No-load Current	1.23 A	
NEMA Nom. Eff.	85.5 Power Factor	68	Line-line Res. @ 25°C	14.4 Ω	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load	63°C	
S.F. Amps			Temp. Rise @ S.F. Load	71°C	
			Locked-rotor Power Factor	59.4	
				0.159 lb-ft²	

#### Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	43	56	66	73	78	72
Efficiency	70.8	81.2	84.5	85.9	85.8	85.2	85.5
Speed	1793	1786	1781	1773	1766	1758	1768
Line amperes	1.25	1.34	1.49	1.67	1.87	2.12	1.75







35WGG004: Electrical Design Page 8 of 8