



Customer Document title:

Motor Outline Drawing

Flowserve Document title: **Motor Typical Outline Drawing**Flowserve Document No.: **1400944-015-5920-01**Document Revision No.: **A**Flowserve Order No.: **1400944**Flowserve Serial No.: **1400944CHP015A/D**Pump Type/Size: **MARK 3 STANDARD / 2K6X4-10HRV**Quantity: **4**Customer Name: **DESMET BALLESTRA NORTH AMERICA**

PROJECT - WORPAR

ITEM NBR - P650/81C.1-1-P650/81C.1-2

P650/81C.2/1-P650/81C.2-2

TYPE - ASSY

eB NBR - 100212988.001

DATE - 09.02.2022

Customer Tag No: **DESMET TAG#:P650/81C.1-1,World Energy TAG#: 19-P-777A,DESMET TAG#:P650/81C.1-2, World Energy TAG#: 19-P-777B, DESMET TAG#: P650/81C.2-1,World Energy TAG#:19-P-877A, DESMET TAG#:P650/81C.2-2,World Energy#: 19-P-877B**

Customer PO No.: **28493**End User: **DESMET BALLESTRA NORTH AMERICA**

Please complete and return:

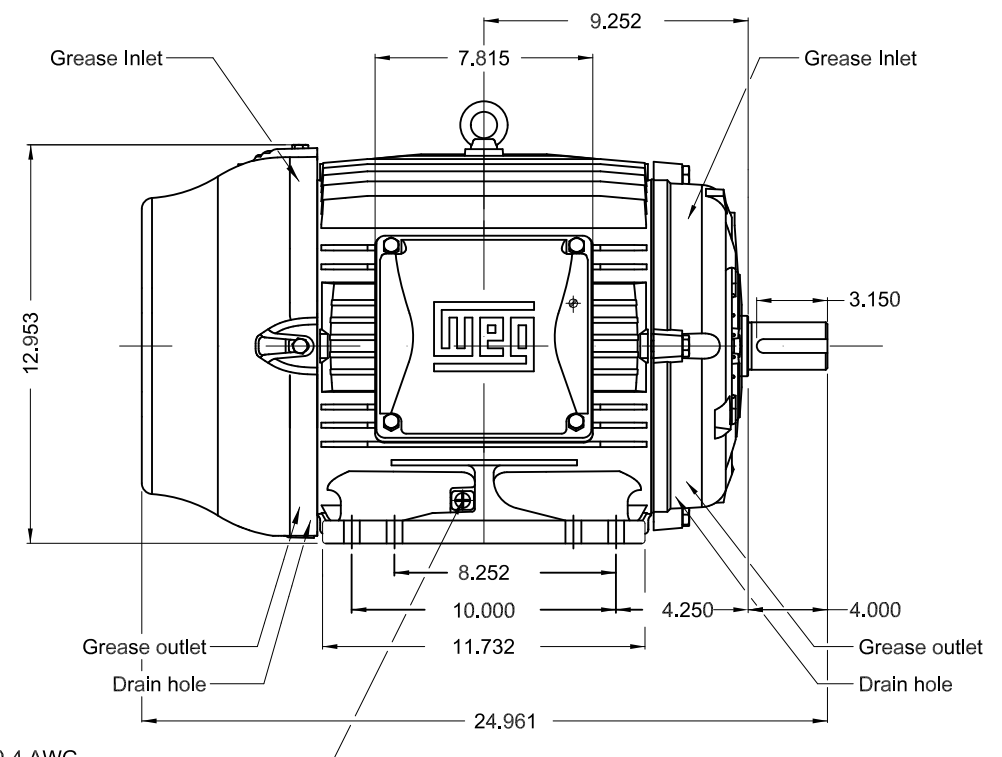
Document Reviewed by:

Document Reviewed date:

- ☐ APPROVED. NO ACTION REQUIRED
- ☐ APPROVED. RE-SUBMIT AS FINAL
- ☐ APPROVED WITH COMMENTS. DOCUMENT WILL BE MODIFIED AND RESUBMITTED AS FINAL.
- ☐ REJECTED. CORRECT AND RE-SUBMIT FOR APPROVAL.
- ☐ FOR INFORMATION. REVIEW NOT REQUIRED
- ☐ AS-BUILT

- Return any documents sent for review with your comments by the stated return date. All documents not returned two weeks after requested Return date will be considered Approved, no action.
- Purchaser's comments and/or corrections within the scope of contract will be made on the first completed document submitted by Flowserve Corp. and returned.
- Corrections, alterations, additions and/or modifications outside scope of contract or made after first submittal may require an additional engineering service charge.
- Items conditionally approved or with deferred approval by purchaser must be specifically stated otherwise delivery may be affected.

Rev	Revision Description	Released	Release Date
	For Review	Morris, Tamika	14-Dec-21



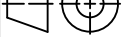
20 HP 04 Poles 60Hz

Dimensions in inches

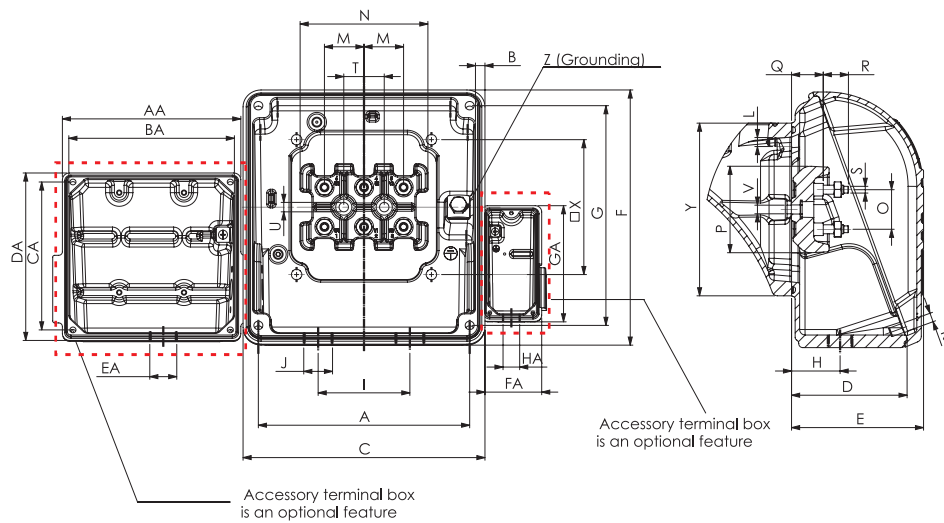
2015

DE Shaft End

0.375 0.375 1.416 1.6250 1.6240

ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWBUSER		THREE PH. W22 NEMA P.EFF MOTOR IEEE841 FRAME 254/6T IP55 TEFC			PREVIEW WDD		 1 of 2	
CHECKED									
RELEASED									
REL DT.		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			

16. Terminal Box Drawing



Frames	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
143/5T	3.858		4.528	2.283	2.638	4.094	3.583	1.220	1.654	NPT 3/4"	M5 x 0.8	M5 x 0.8	0.630	2.087	0.630	1.378	0.610	0.472	M4 x 0.7	0.787	0.228
182/4T	4.606	0.276	5.512	2.717	3.150	5.236	4.606	1.417	2.126	NPT 1"	M6 x 1.0	M6 x 1.0	0.906	2.953	0.906	2.047	0.669	0.630	M5 x 0.8	0.906	0.256
213/5T																					
254/6T	6.890	0.335	7.815	3.386	3.976	7.480	6.890	1.811	3.307	NPT 1 1/2"	M8 x 1.25	M8 x 1.25	1.102	3.543	1.102	2.362	0.846	0.807	M6 x 1.0	1.102	0.260
284/6T	8.031	0.374	9.055	3.996	4.705	8.661	8.031	2.205	3.701	NPT 2"			1.378	4.409	1.378	2.913	0.945	0.945	M8 x 1.25	1.378	0.374
324/6T	9.252	0.492	10.591	5.000	6.024	11.267	10.236	2.677	4.331	NPT 3"	M10 x 1.5	M10 x 1.5	1.732	5.512	1.732	3.701	1.280	1.102	M10 x 1.5		
364/5T	10.827	0.531	12.362	5.118	5.970	12.283	10.827	4.961													
404/5T	10.827	0.531	12.362	5.118	5.970	12.283	10.827	4.961													
444/5T	10.827	0.531	12.362	5.118	5.970	12.283	10.827	4.961													
445/7T	13.386		14.921	6.142	6.929	15.039	13.583	3.228	6.299	2xNPT 3"	M12 x 1.75	M12 x 1.75	1.772	6.024	1.772	4.252	1.398	1.575	M12 x 1.75	1.772	0.413
447/9T	13.386		14.921	6.142	6.929	15.039	13.583	3.228	6.299	2xNPT 3"	M12 x 1.75	M12 x 1.75	1.772	6.024	1.772	4.252	1.398	1.575	M12 x 1.75	1.772	0.413
504/5T	13.386	0.571																			
L447/9T	14.370		15.906	7.697	8.661	17.165	15.354	3.819	7.874				2.559	8.268	2.559	5.748	2.008	1.772	M16 x 2.0	2.559	-
586/7T	16.339	-	18.110	9.843	11.417	21.417	18.898	5.000	6.299	2xNPT 4"	M10 x 1.5	M10 x 1.5	3.150	-	4.134	-	-	-	M20 x 2.5	-	-
588/9T	16.339	-	18.110	9.843	11.417	21.417	18.898	5.000	6.299	2xNPT 4"	M10 x 1.5	M10 x 1.5	3.150	-	4.134	-	-	-	M20 x 2.5	-	-

Frames	V	X	Y	Z	AA	BA	CA	DA	EA	FA	GA	HA	Max connector number			Volume (in³)
													Main	Accessories	Space heater	
143/5T	M5 x 0.8	2.205	3.031	0.5-6 mm²	4.272	3.543	3.346	3.780					4	16	-	25
182/4T	M5 x 0.8	2.756	4.213	2-10 mm²	4.272	3.543	3.346	3.780					6	16	-	50
213/5T																
254/6T	M6 x 1.0	4.331	5.669	5.2-25 mm²	5.453	4.606	4.606	5.118			4.016		12	26	4	135
284/6T	M6 x 1.0	4.331	5.669	5.2-25 mm²	5.453	4.606	4.606	5.118			4.016		12	26	4	210
324/6T	M8 x 1.25	4.724	6.102	5.2-35 mm²												460
364/5T		5.906	7.559	25-50 mm²												592
404/5T																
444/5T																
445/7T	M10 x 1.5	7.874	10.236	35-70 mm²	7.795	6.890	6.890	7.382			5.236		16	26	4	1100
447/9T	M10 x 1.5	7.874	10.236	35-70 mm²	7.795	6.890	6.890	7.382			5.236		16	26	4	1696
504/5T																
L447/9T		10.236	12.008	85-120 mm²												
586/7T																
588/9T	-	11.417		50-70 mm²									-	26	4	3300

Note: terminal block is optional on NEMA motors.