



NOTE: UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.

\* FOR IMO PUMP USE.

IMO PUMP USE ONLY: SEE ES 5.11.2 FOR FABRICATION INFORMATION.

ITEM NO.	NEMA MOTOR FRAME	UNITS	COUPLING ITEM CHOICES						DIMENSION				
			AA = LOVEJOY		BB = THOMAS DBZ		CC = THOMAS DBZ-C		C	D*	E*	F	G
			A	B	A	B	A	B					
001	56	INCHES	26.0	0.50	26.2	0.69	29.0	3.5	7.2	---	2.3	9.3	27.5
		[mm]	[661]	[13]	[665]	[18]	[737]	[89]	[182]	[---	[57]	[235]	[699]
002	143/145T	INCHES	24.7 / 25.7	0.50	24.9 / 25.9	0.69	27.7 / 28.7	3.5	7.2	---	2.3	9.3	27.5
		[mm]	[627 / 653]	[13]	[632 / 658]	[18]	[704 / 729]	[89]	[182]	[---	[57]	[235]	[699]
003	182/184T	INCHES	26.3 / 27.3	0.50	26.5 / 27.5	0.69	29.3 / 30.3	3.5	7.7	2.63	---	9.3	29.5
		[mm]	[669 / 694]	[13]	[673 / 699]	[18]	[745 / 770]	[89]	[195]	[67]	[---	[235]	[749]
004	213/215T	INCHES	30.6 / 32.1	0.75	30.8 / 32.3	0.94	33.3 / 34.8	3.5	8.4	2.63	---	9.3	33.5
		[mm]	[776 / 815]	[19]	[781 / 819]	[24]	[846 / 884]	[89]	[214]	[67]	[---	[235]	[851]
005	254/256T	INCHES	36.0 / 37.7	0.88	36.0 / 37.8	0.94	38.6 / 40.3	3.5	9.8	4.13	---	12.3	39.5
		[mm]	[913 / 958]	[22]	[915 / 959]	[24]	[980 / 1024]	[89]	[248]	[105]	[---	[311]	[1003]

ITEM NO.	NEMA MOTOR FRAME	UNITS	DIMENSION											APPROX UNIT WT LB / [kg]	
			H	J	K*	L	M*	N*	P	R*	S	T*	V		W
001	56	INCHES	6.0	12.0	---	30.0	9.5	5.0	---	13.8	3.17	0.50	10.7	6.1	150
		[mm]	[152]	[305]	[---	[762]	[241]	[127]	[---	[349]	[81]	[13]	[273]	[156]	[68]
002	143/145T	INCHES	6.0	12.0	---	30.0	7.4	7.5	---	14.3	3.17	0.50	10.8	6.5 / 7.0	170
		[mm]	[152]	[305]	[---	[762]	[187]	[191]	[---	[362]	[81]	[13]	[274]	[165 / 178]	[77]
003	182/184T	INCHES	6.0	12.0	7.0	32.0	---	---	0.50	14.8	3.17	---	13.1	7.8 / 8.3	220
		[mm]	[152]	[305]	[178]	[813]	[---	[---	[13]	[375]	[81]	[---	[331]	[197 / 210]	[100]
004	213/215T	INCHES	6.0	12.0	7.0	36.0	---	---	1.25	15.8	3.17	---	14.4	9.6 / 10.4	300
		[mm]	[152]	[305]	[178]	[914]	[---	[---	[32]	[400]	[81]	[---	[366]	[245 / 264]	[136]
005	254/256T	INCHES	7.5	15.0	7.0	42.0	---	---	2.25	16.5	3.52	---	16.9	12.4 / 13.3	480
		[mm]	[191]	[381]	[178]	[1067]	[---	[---	[57]	[419]	[89]	[---	[429]	[314 / 337]	[218]

**DRAWING CERTIFICATION**

CUSTOMER NAME -----

CUSTOMER PO NUMBER -----

CUSTOMER PART NUMBER -----

UNIT BILL OF MAT'L NO.-----

PUMP TYPE -----

ITEM NUMBER -----

DRIP RIM -----

COUPLING TYPE -----

SHAFT ROTATION -----

PORT POSITION -----

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MOTOR MANUFACTURER -----

MOTOR TYPE -----

FRAME SIZE -----

POWER -----

ROTATING SPEED -----

PHASES -----

FREQUENCY -----

VOLTAGE -----

MOTOR WEIGHT -----

CONDUIT BOX POSITION --

MOTOR INSTALLED BY -----

CERTIFIED BY -----

CERTIFICATION DATE -----

IMO ORDER NUMBER -----

CERTIFICATION REV. NO.---

**OTHER INFORMATION**

- NOTES --**
- THIS IS A STANDARD PRE-ENGINEERED UNIT OUTLINE. ANY CHANGES OUTSIDE THE CERTIFICATION BLOCK WILL REQUIRE A NEW DRAWING ASSIGNMENT.
  - ALTERNATE PORT POSITIONS ARE PROVIDED IF SPECIFIED ON ORDER. AVAILABLE POSITIONS ARE STD, #1 AND #2.
  - DRIVER DIMENSIONS MAY VARY WITH TYPE AND MAKE OF DRIVER.
  - STANDARD SHAFT ROTATION IS CLOCKWISE WHEN FACING COUPLING END OF PUMP.
  - REVIEW GENERAL INSTRUCTION MANUAL FOR ALIGNMENT, PIPING, INLET STRAINER, DISCHARGE RELIEF VALVE, SEAL VENT, ETC., CONSIDERATIONS BEFORE INSTALLING AND OPERATING UNIT.

**MAXIMUM ALLOWABLE FORCES AND MOMENTS ON PORTS**

- COORDINATE SYSTEM FOR MAXIMUM PORT FORCES (F) MOMENTS (M).  
- FORCE AND MOMENT VALUES ARE RELATIVE TO CENTER OF INLET AND OUTLET PORT FACES.

		FORCE LBF	[N]	MOMENT LB-FT	[N m]
INLET	FX	28.1	[125]	MX	46.9 [63.6]
	FY	28.1	[125]	MY	46.9 [63.6]
	FZ	28.1	[125]	MZ	46.9 [63.6]
OUTLET	FX	18.8	[83.4]	MX	31.3 [42.4]
	FY	18.8	[83.4]	MY	31.3 [42.4]
	FZ	18.8	[83.4]	MZ	31.3 [42.4]

REV. NO.	ECR NO.	DATE	APPROVED BY

	DRAWN BY	DATE	APPROVED BY	DATE	<b>STANDARD UNIT OUTLINE DRAWING</b> <b>IRON CASE FOOT MOUNT 3E118</b>		
	D.Mashburn	5/2/01	M.Vena	5/4/01			
	CHECKED BY	DATE	FIRST ORDER NUMBER	CAGE CODE	DWG SIZE	SHEET	DWG NUMBER
	M.Vena	5/4/01	EB122A	59180	<b>B</b>	1 of 1	<b>SDD20067</b>