

0107

**Thermal Ratings (HP)**

Thermal ratings are a measure of the units ability to dissipate heat, if they are exceeded the lubricant may break down resulting in premature gear failure.

**Thermal Power (HP) - Single Stage Units**

Overall Ratios	Type of Cooling	Input Rev/min	Unit Size			
			M05	M06	M07	M08
All	Units with no additional cooling	3500	4.0	9.7	13.9	20.3
		1750	5.7	13.6	19.6	28.6
		1160	5.4	13.0	18.7	27.3
		875	5.3	12.6	18.1	26.5
	Units with Fan cooling	3500	-	-	N/A	N/A
		1750	-	-	44.1	64.4
		1160	-	-	35.1	51.2
		875	-	-	29.5	43.0

**Thermal Power (HP) - Two Stage Units**

Overall Ratios	Type of Cooling	Input Rev/min	Unit Size											
			M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	M13	M14
1.4 to 5.6	Units with no additional cooling	3500	Consult Textron Power Transmission											
		1750	5.5	8.0	8.0	13.2	13.2	15.3	19.3	29.5	41.9	56.5	71.7	97.9
	cooling	1160	5.3	7.6	7.6	12.6	12.6	14.6	18.4	28.2	40.0	54.0	68.5	93.5
		875	5.1	7.4	7.4	12.2	12.2	14.2	17.9	27.3	38.8	52.3	66.3	90.6
6.3 & over	Units with no additional cooling	3500	3.8	5.5	5.5	9.2	9.2	10.7	13.5	20.7	29.3	39.5	50.1	68.4
		1750	5.4	7.8	7.8	13.0	13.0	15.0	19.0	29.1	41.3	55.6	70.6	96.3
	cooling	1160	5.2	7.4	7.4	12.4	12.4	14.3	18.1	27.8	39.4	53.1	67.4	92.0
		875	5.0	7.2	7.2	12.0	12.0	13.9	17.6	26.9	38.2	51.4	65.3	89.1
1.4 to 5.6	Units with no additional cooling	3500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		1750	-	-	-	-	-	-	43.4	66.4	94.3	127.1	161.3	220.3
	Fan cooling	1160	-	-	-	-	-	-	36.2	55.3	78.6	105.9	134.4	183.6
		875	-	-	-	-	-	-	31.4	47.9	68.1	91.8	116.5	159.1
6.3 & over	Units with no additional cooling	3500	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A
		1750	-	-	-	-	-	-	42.8	65.5	92.9	125.1	158.9	216.7
	Fan cooling	1160	-	-	-	-	-	-	35.6	54.6	77.4	104.3	132.4	180.6
		875	-	-	-	-	-	-	30.9	47.3	67.1	90.4	114.7	156.5

Note: When checking thermal capacities use actual load required to be transmitted, not rating of prime mover.