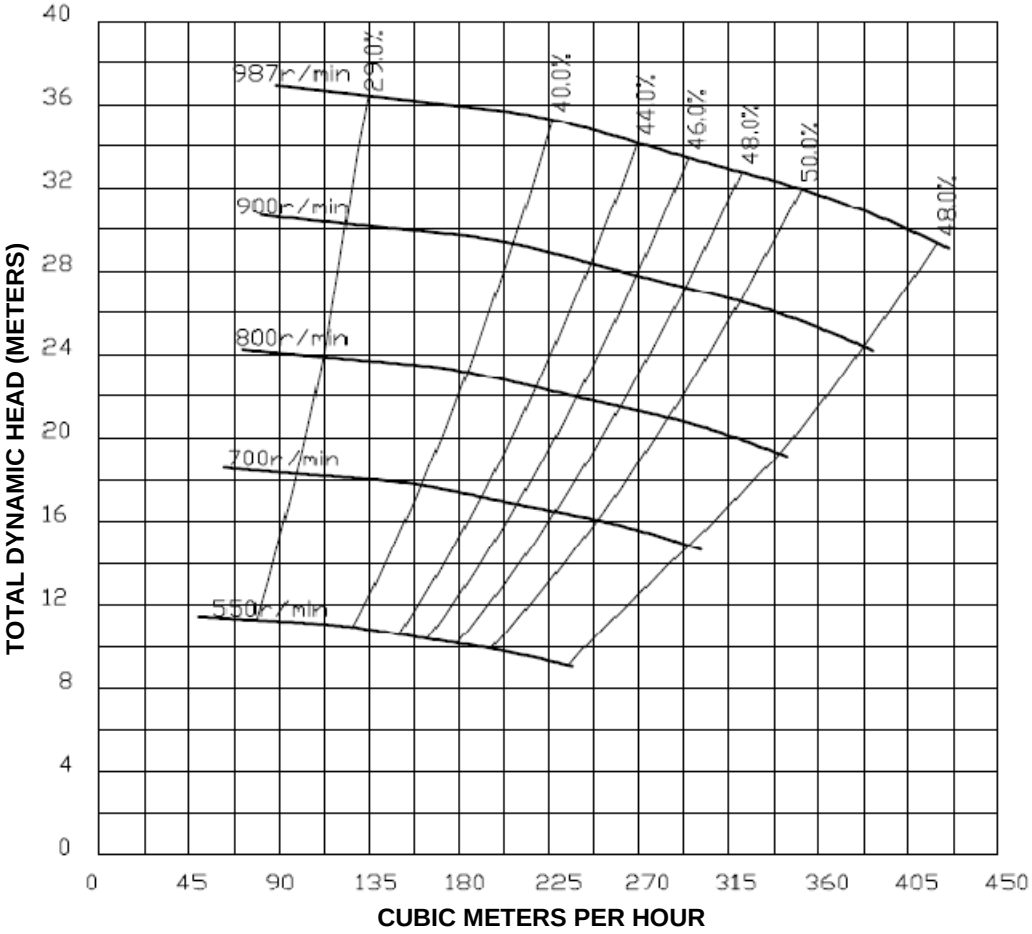
Pump Type	Vane Diameter	Free Passage
ZW150/480	**480mm**	**45mm**

Clear Water Performance

The effects of specific gravity, viscosity and solids on performance with slurry must be accounted for.



Motor Options				Power Limits
55 kW	1500 Rpm	IEC	D250M	40 kW (55 Hp) & Lower Applications
69 Hp	1500 Rpm	NEMA	365T	
75 Hp	1200 Rpm	NEMA	444T	
110 kW	1500 Rpm	IEC	D280M	92 kW (123 Hp) & Lower Applications
138 Hp	1500 Rpm	NEMA	445T	
150 Hp	1200 Rpm	NEMA	447T	

Limits/Ranges

Up to 1.30 Slurry SG
100.0 - 400.0 M3/Hr Flowrate
10.0 - 34.5 Meters TDH
29.0% - 50.0% Efficiency
500 - 1000 Rpm

Power Calculation

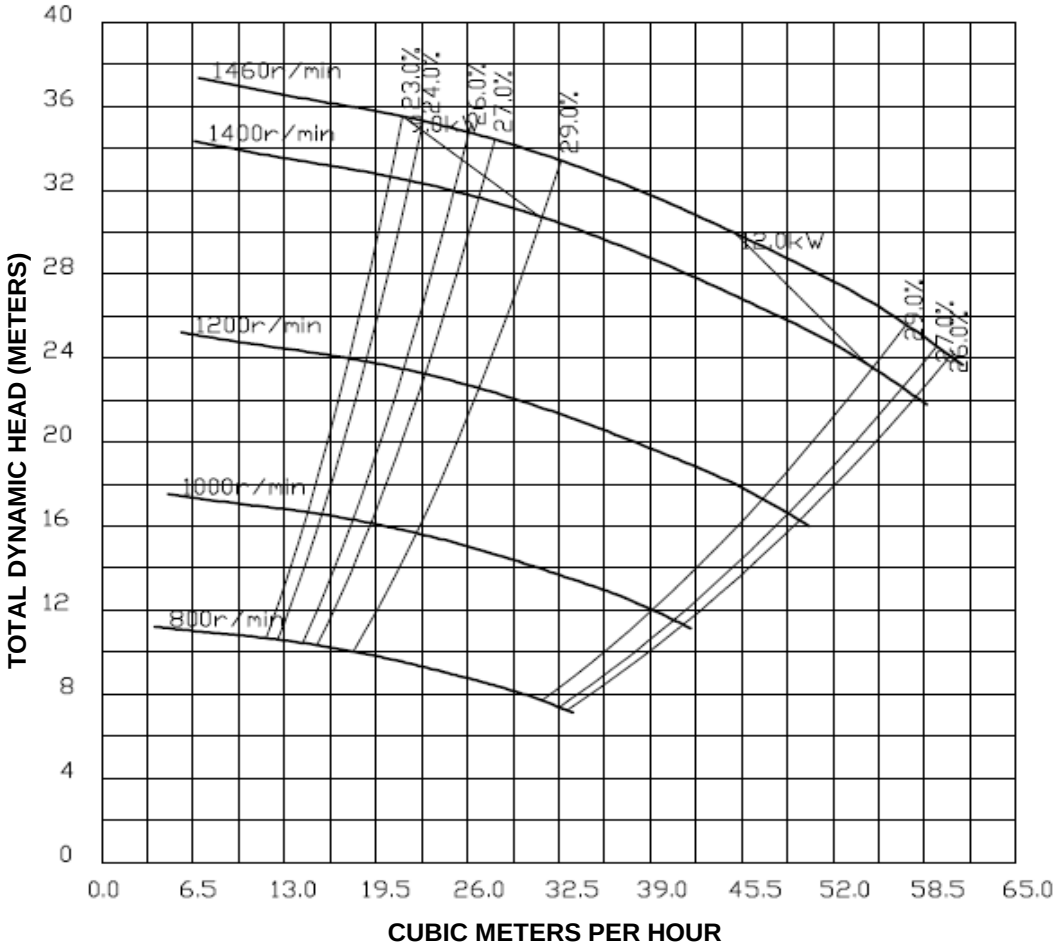
1.10	Slurry SG
400.0	M3/Hr Flowrate
34.5	Meters TDH
49.0%	Efficiency
91.9	**Power (kW)**

Note: Power calculation includes 4% efficiency derate for v-belt drive losses.

Pump Type	Vane Diameter	Free Passage
ZW50/350	**350mm**	**18mm**

Clear Water Performance

The effects of specific gravity, viscosity and solids on performance with slurry must be accounted for.



Motor Options				Power Limits
18.5 kW 25 Hp	1500 Rpm 1800 Rpm	IEC NEMA	D180M 284T	12.5 kW (17 Hp) & Lower Applications
45 kW 60 Hp	1500 Rpm 1800 Rpm	IEC NEMA	D225S 364T	35 kW (47 Hp) & Lower Applications

Limits/Ranges

Up to 1.30 Slurry SG
20.0 - 60.0 M3/Hr Flowrate
10.0 - 35.0 Meters TDH
23.0 - 29.0% Efficiency
700 - 1500 Rpm

Power Calculation

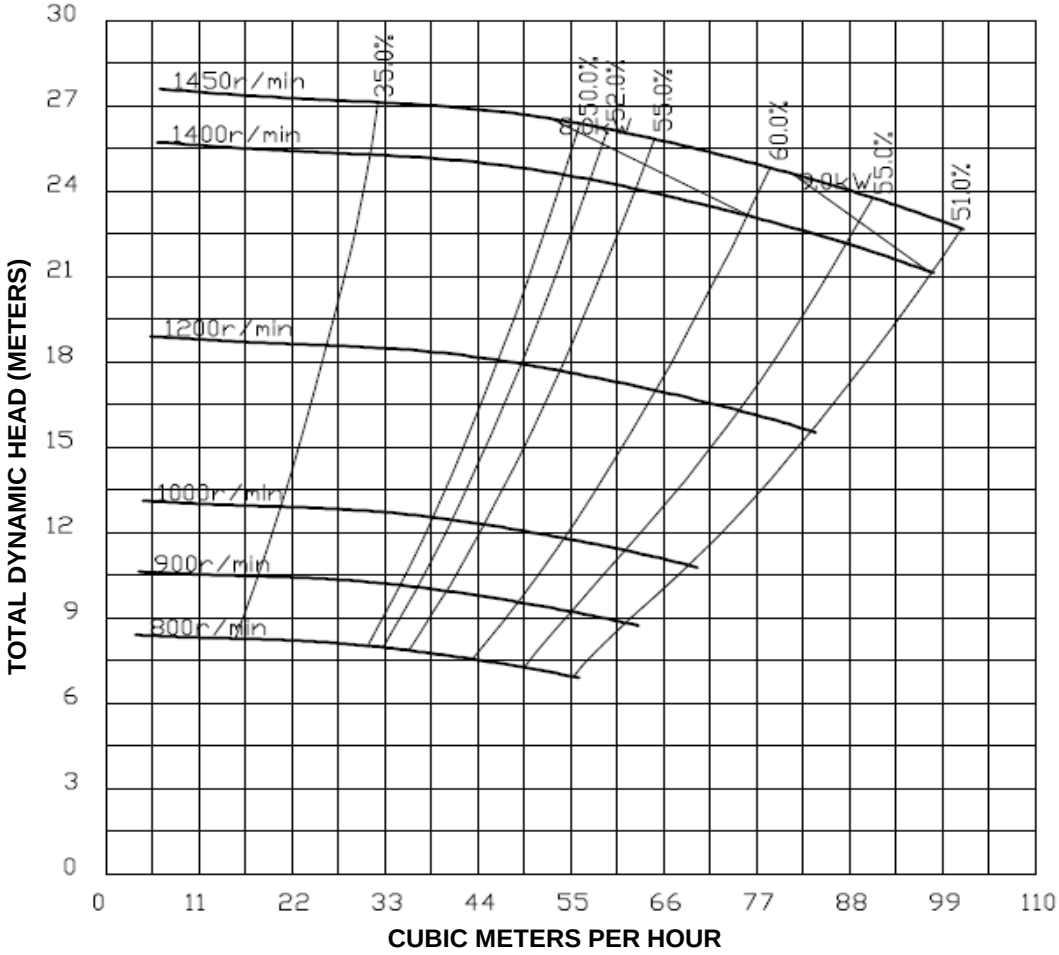
1.10	Slurry SG
60.0	M3/Hr Flowrate
35.0	Meters TDH
29.0%	Efficiency
30.0	**Power (kW)**

Note: Power calculation includes 8% efficiency derate for v-belt drive losses.

Pump Type	Vane Diameter	Free Passage
ZW65/290	**290mm**	**15mm**

Clear Water Performance

The effects of specific gravity, viscosity and solids on performance with slurry must be accounted for.



Motor Options				Power Limits
11 kW	1500 Rpm	IEC	D160M	7.5 kW (10 Hp) & Lower Applications
15 Hp	1800 Rpm	NEMA	254T	
22 kW	1500 Rpm	IEC	D180L	17 kW (23 Hp) & Lower Applications
30 Hp	1800 Rpm	NEMA	286T	

Limits/Ranges

Up to 1.30 Slurry SG
19.8 - 93.0 M3/Hr Flowrate
7.5 - 26.0 Meters TDH
35.0 - 60.0% Efficiency
700 - 1500 Rpm

Power Calculation

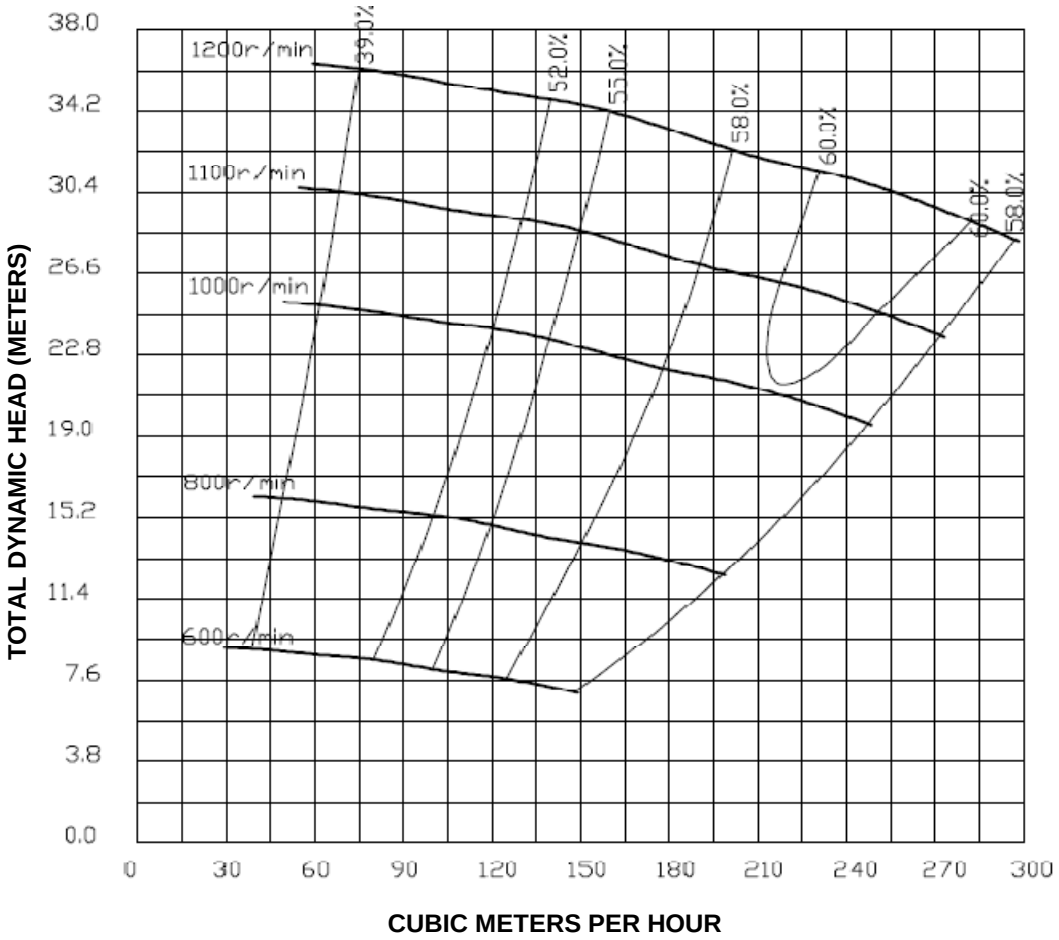
1.10	Slurry SG
93.0	M3/Hr Flowrate
26.0	Meters TDH
54.0%	Efficiency
15.4	**Power (kW)**

Note: Power calculation includes 7% efficiency derate for v-belt drive losses.

Pump Type	Vane Diameter	Free Passage
ZW100/390	**390mm**	**32mm**

Clear Water Performance

The effects of specific gravity, viscosity and solids on performance with slurry must be accounted for.



Motor Options				Power Limits
30 kW	1500 Rpm	IEC	D200L	20 kW (27 Hp) & Lower Applications
40 Hp	1800 Rpm	NEMA	324T	
75 kW	1500 Rpm	IEC	D250M	55 kW (75 Hp) & Lower Applications
100 Hp	1800 Rpm	NEMA	405T	

Limits/Ranges

Up to 1.30 Slurry SG
56.0 - 220.0 M3/Hr Flowrate
8.5 - 35.0 Meters TDH
39.0% - 60.0% Efficiency
600 - 1200 Rpm

Power Calculation

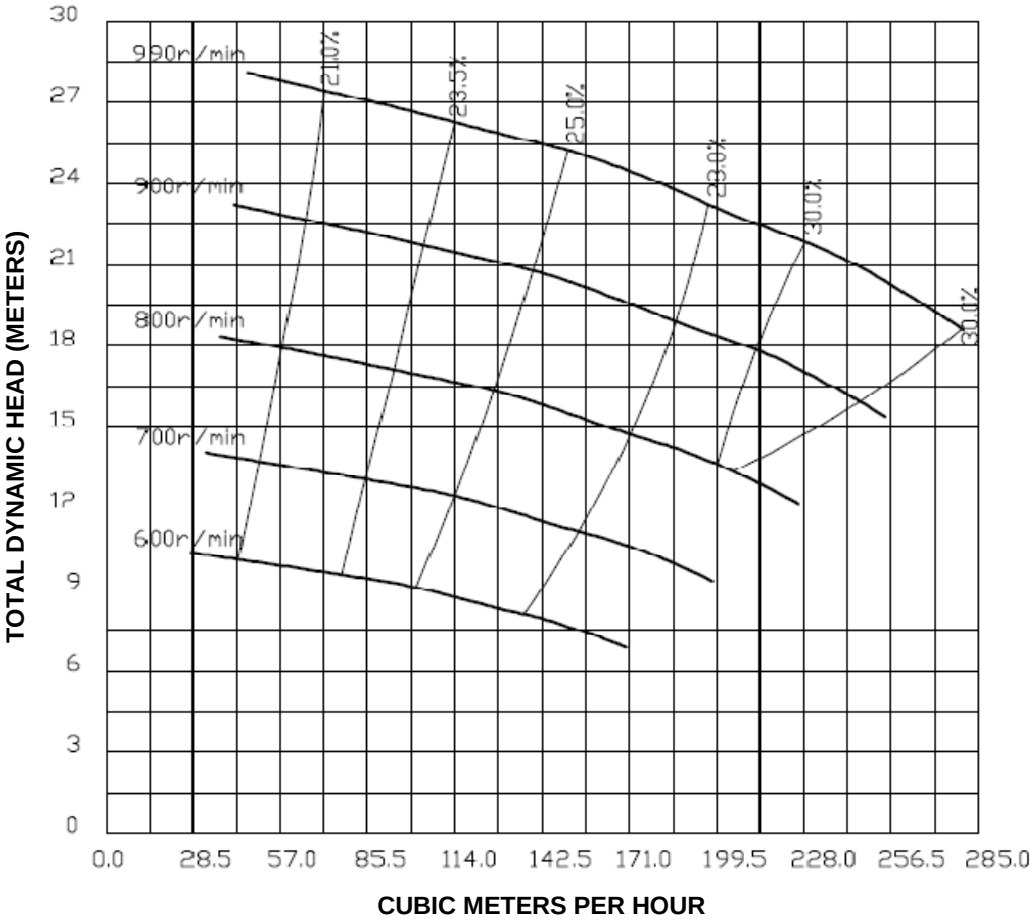
1.10	Slurry SG
220.0	M3/Hr Flowrate
35.0	Meters TDH
59.0%	Efficiency
43.5	**Power (kW)**

Note: Power calculation includes 6% efficiency derate for v-belt drive losses.

Pump Type	Vane Diameter	Free Passage
ZW125/405	**405mm**	**38mm**

Clear Water Performance

The effects of specific gravity, viscosity and solids on performance with slurry must be accounted for.



Motor Options				Power Limits
55 kW	1500 Rpm	IEC	D250M	40 kW (55 Hp) & Lower Applications
69 Hp	1500 Rpm	NEMA	365T	
75 Hp	1200 Rpm	NEMA	444T	
110 kW	1500 Rpm	IEC	D280M	92 kW (123 Hp) & Lower Applications
138 Hp	1500 Rpm	NEMA	445T	
150 Hp	1200 Rpm	NEMA	447T	

Limits/Ranges

Up to 1.30 Slurry SG
85.0 - 250.0 M3/Hr Flowrate
7.5 - 26.5 Meters TDH
21.0% - 30.0% Efficiency
500 - 1000 Rpm

Power Calculation

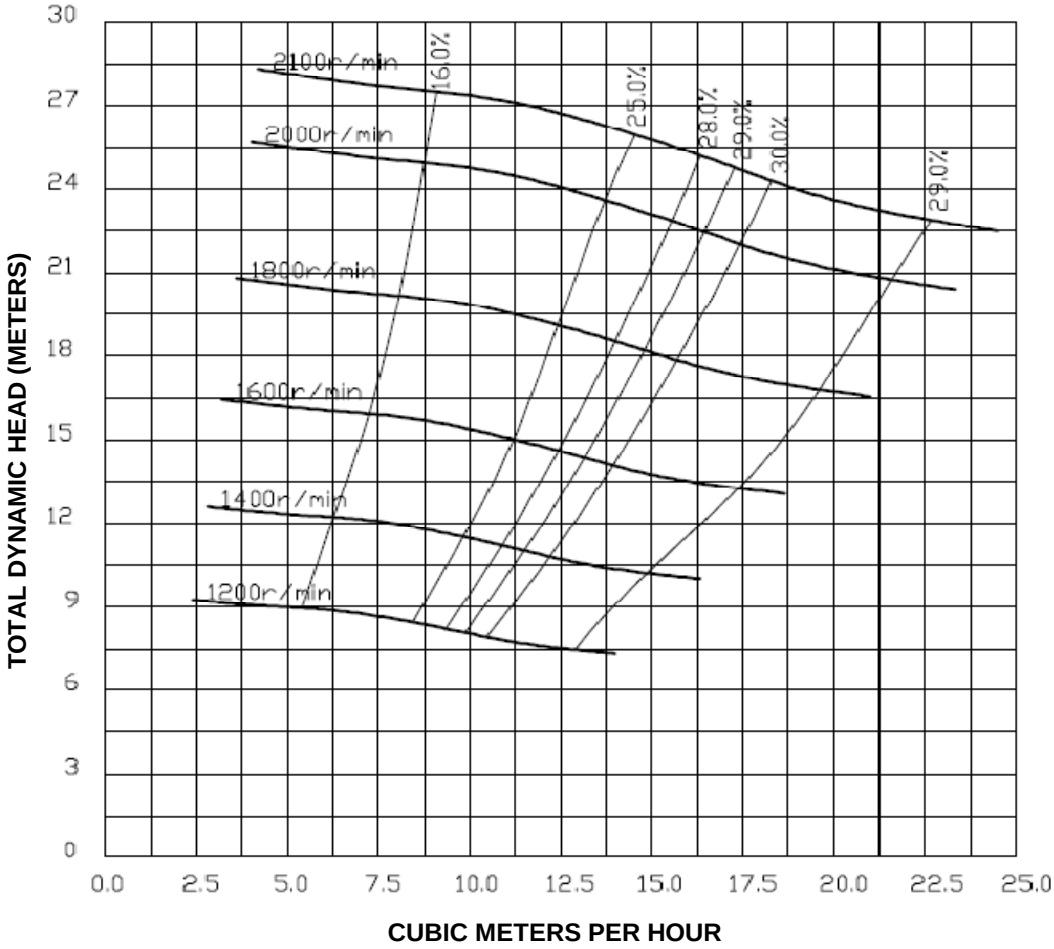
1.10	Slurry SG
250.0	M3/Hr Flowrate
26.5	Meters TDH
30.0%	Efficiency
79.4	**Power (kW)**

Note: Power calculation includes 5% efficiency derate for v-belt drive losses.

Pump Type	Vane Diameter	Free Passage
ZW40/190	**190mm**	**12mm**

Clear Water Performance

The effects of specific gravity, viscosity and solids on performance with slurry must be accounted for.



Motor Options				Power Limits
7.5 kW	1500 Rpm	IEC	D132M	5 kW (6.75 Hp) & Lower Applications
10 Hp	1800 Rpm	NEMA	215T	
15 kW	1500 Rpm	IEC	D160L	10 kW (13.5 Hp) & Lower Applications
20 Hp	1800 Rpm	NEMA	256T	

Limits/Ranges

Up to 1.30 Slurry SG
5.0 - 22.0 M3/Hr Flowrate
7.8 - 24.0 Meters TDH
16.0 - 30.0% Effciency
1000 - 2200 Rpm

Power Calculation

1.10	Slurry SG
22.0	M3/Hr Flowrate
24.0	Meters TDH
29.0%	Efficiency
7.9	**Power (kW)**

Note: Power calculation includes 9% efficiency derate for v-belt drive losses.