

EM- Family

EM-PMI375-T1100 Family



Application Covered And Expected Performance Output:



Medium/ heavy-duty truck and bus applications

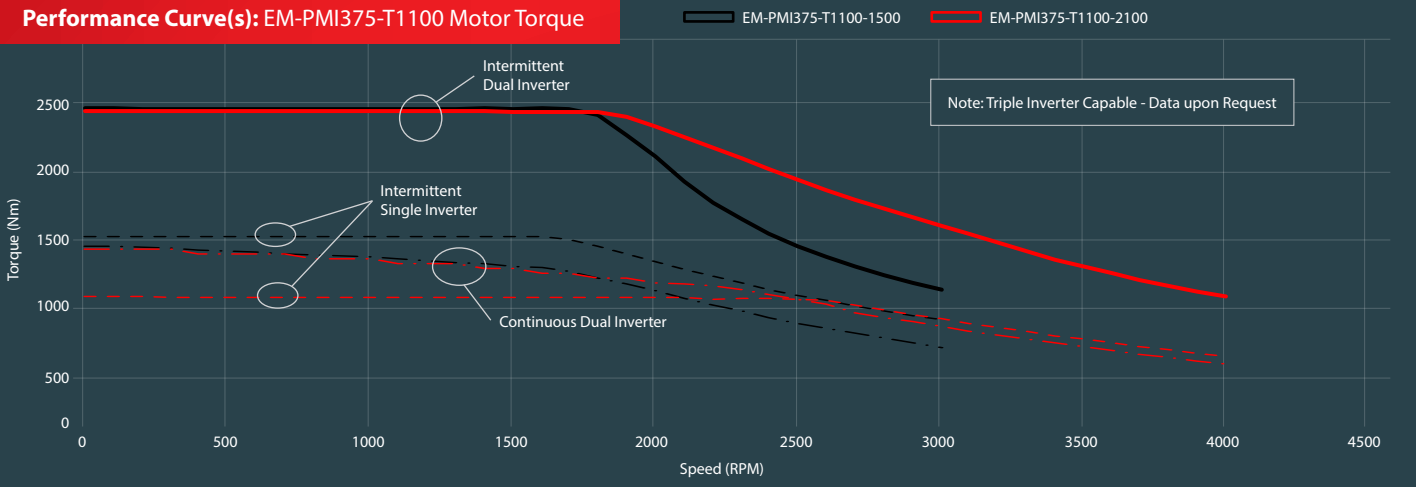
- Torque & speed variants to cover wide-range of application needs
- 96% highest system efficiency with EC-C1200-450 inverter
- Demonstrated high-reliability in harsh off-highway conditions

System Performance Summary:

Motor Family	EM-PMI375-1100 Family					
Inverter	EC-C1200-450					
Continuous Power (kW)	176	206	231	259	266	303
Nominal Speed (RPM)	1200	1500	1800	2100	2400	2900
Max Operating speed (RPM)	2400	3000	3600	4000	4000	4000
Continuous Torque (Nm)	1399	1310	1225	1178	1060	998
Max Torque (Nm)*	2100*	1550*	1380*	1100*	1040*	800*
	3270**	2500**	2500**	2170**	2000**	1500**
	4100***	3850***	2750***	2400***	2050***	1750***
Peak efficiency	96%					
Voltage range required (VDC)	450 - 850					
System Weight (kg)	310 - 340					
Motor (kg)	295					
Inverter (kg)	15					

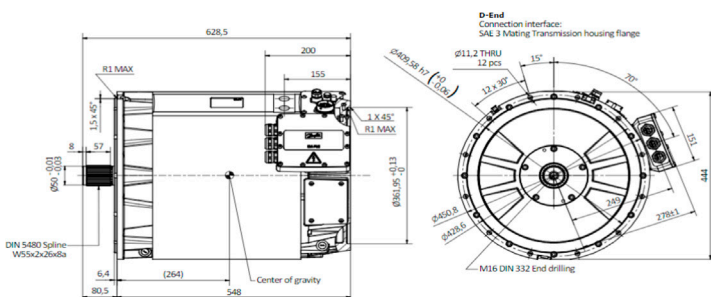
(* designates # of inverters)

Performance Curve(s): EM-PMI375-T1100 Motor Torque



System Weight and Dimensions:

Motor Dimensions



Standards and Features:

- Protection Class -- IP65 / IP67 (as option)
- Mechanical vibration (ISO16750-3) -- 5.9Grms
- Mechanical shock (ISO16750-3) -- 50G
- Multiple mounting positions
- Coolant temperature from -20°C -- +70°C
- Inverter supports 2x isolated CAN ports
- CANopen and SAE J-1939 protocols

Production Readiness: Available now

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