Stationary Pump Engine Perfo			erformance Data	4BTA3.9-P80	58 kW @ 1500 r/min				
	U CONGFENG CUMMINS ENGINE Co., LTD			4D1A3.3-FOU					
DCEC	XiangYang, Hubei Province, China www.cumminspowerunits.com			FR95993	CPL Code CPL3813	Revision 2017/4/17	Versio 00		
	Displacement: 3.9L				Aspiration: Turbocharged & Aftercooled				
Application: Stationary Fire Pump				Fuel System: Direct Injection + Electronical Governor					
implement of Curves show	differential press vn above repres	sure sent gross en	gine performanc	let air restriction , 10 kF e capabilities obtained and 1kPa water vapor p	and corrected in acc				
	·			Performance cu					
	enced	Data	d power	1					
	Engine speed RPM								
	PM	kW 58	Ps 79						
RF 15 500rpm En	oo oo ngine perfori	kW 58	Ps 79	20.0 (2 18.0 (16.0					
RF 15 500rpm En NGINE OUTPUT	PM 00 ngine perform POWER	kW 58 mance dat	Ps 79 79	(4 18.0 16.0 14.0 14.0					
RF 15 500rpm En NGINE OUTPUT %	PM 00 ngine perfor POWER kW	kW 58 mance dat	Ps 79 79 FUEL CONSUMP g/kW.h	(4 18.0 16.0 14.0 14.0			_ ^		
RF 15 500rpm En NGINE OUTPUT % 100	PM 00 ngine perfor POWER kW 58	kW 58 mance dat Ps 79	Ps 79 79 FUEL CONSUMP g/kW.h 212	(4 18.0 16.0 14.0 14.0					
RF 15 500rpm En NGINE OUTPUT % 100 75	PM 00 Power Power kW 58 43.5	kW 58 mance dat Ps 79 59	Ps 79 79 FUEL CONSUMP g/kW.h 212 217	(4 18.0 16.0 14.0 14.0					
RF 15 500rpm En NGINE OUTPUT % 100 75 50	PM 00 Power Power kW 58 43.5 29	kW 58 mance dat Ps 79	Ps 79 79 FUEL CONSUMP g/kW.h 212 217 230	L/h 16.0 14.9 10.0 11.4 8.0 8.1 6.0					
RF 15 500rpm En NGINE OUTPUT % 100 75	PM 00 Power Power kW 58 43.5	kW 58 mance dat Ps 79 59 39	Ps 79 79 FUEL CONSUMP g/kW.h 212 217	(4 18.0 16.0 14.0 14.0		30 40 55	0 60		

Stationary Pump Engine Performance Da		58 kW @ 1500 r/min				
ONGFENG CUMMINS ENGINE Co., LT	4BTA3.9-P80					
Xiangyang, Hubei Province, China www.cumminspowerunits.com	FR95993	CPL Code CPL3813	Revision 2017/4/17	Versio 00		
Displacement: 3.9L	Aspiration:	Aspiration: Turbocharged & Aftercooled				
Application: Stationary Fire Pump	Application: Stationary Fire Pump Fuel System: Direct Injection + Electronical Governor					
All data is based on the engine operating without air c	ompressor,fan,generator,fa	in,optional equipment a	and driven compor	ents.		
All data is based on the engine operating with 3.7 kPa implement differential pressure	inlet air restriction , 10 kPa	exhaust restriction and	d with 13 kPa Inter	-cooled		
Curves shown above represent gross engine performar	nce capabilities obtained ar	nd corrected in accorda	ince with GB/T182	97		
of 99kPa baiometric press, 298K inlet air temperature,	and 1kPa water vapor pre	essure.				
General Performance Data						
Low idle speed:		1000±50	rpm			
Maximum no load speed:			1575±20	rpm		
Maximum overspeed capability(15		3100	rpm			
Maximum altitude limit for continio	Maximum altitude limit for continious running:					
* Above 1500m, power derated 4% per 3	00m					
Cold start capability(Sea Level with	hout Load)					
Without start add devi	Without start add device:					
With air intake prehea	With air intake preheating:					
Cold start capability(Sea Level with	h Load)*					
Max parasitic load at 0	Max parasitic load at 0 $^\circ C$ @ 500r/min without Aid:					
Max parasitic load at -	out Aid:	NA	N.m			
* The data measured at 101kPa atmospheric pressure, cr	ank speed 120r/min, Engin	e use 5W40 lube oil ar	nd diesel refer to G	B19147		
Performance data						
Parameter	Advertised Power	ן				
Engine Speed(rpm)	1500					
Output Power(kW)	58					
Torque(N.m)	369					
Inlet air flow(L/s)	55					
Charge air flow(kg/min)	270					
Exhaust gas flow(kg/min)	270.21					
Exhaust gas temperature(deg C)	535					
	00.0					

29.0

96.0

NA

70

100

12.3

Heat rejection to coolant(kW)

Radiator coolant flow(L/min)

Temperature(deg C)

Fuel Consumption(kg/hr)

Heat rejection to charge air cooler(k

Turbo Comp.Outlet Pressure(kPa)