MODEL 3.0

Aska's Model 3.0 is the ultimate portable lighting solution. With powerful luminaries, a reliable diesel engine, and a quick mast erection system, it offers impressive lighting capabilities for various applications.

The Model 3.0 lighting system has a Yanmar Japan water cooled engine and is designed with a bunded fuel tank, which helps to ensure the safe storage of fuel. It also features a manually operated winch with interlocked operations, which makes it easier for users during operations. It is also able to maintain stability in wind speeds of up to 110 km/hr.

These are specially designed for difficult applications like mining. Also available for export & international market.

Engine Make
Yanmar , Japan

Fuel Tank type
Bunded Tank

Engine Speed
1500 rpm

Fuel Tank Capactiy
120 litre

Alternator Make
NSM ITALY ,TYPE : BRUSHLESS & SINGLE PHASE

Wind Speed Stability
110 Km / hr

Rated Output
8 KVA

Tower Height with Lights
7.8 MTR

Noise Level
<70 dB(A)
at 7m distance

TECHNICAL SPECIFICATIONS FOR ASKA MODEL 3.0

PARAMETER	COB LED FLOOD LIGHT			SMD LED FLOOD LIGHT					
	Super Premium Product			Premium Product			Standard Product		
	VT-8 350W LED	VT-8 400W LED	VT-8 500W LED	VT-8 300W LED	VT-8 350W LED	VT-8 400W LED	VT-8 300W LED	VT-8 350W LED	VT-8 400W LED
LUMANARIES									
Floodlights/Lamp	LED	LED	LED	LED	LED	LED	LED	LED	LED
Wattage	4 No's x 350 W	4 No's x 400 W	4 No's x 500 W	4 No's x 300 W	4 No's x 350 W	4 No's x 400 W	4 No's x 300 W	4 No's x 350 W	4 No's x 400 W
Total Lumens Output	210000 Lm	224000 Lm	260000 Lm	168000 Lm	196000 Lm	224000 Lm	132000 Lm	154000 Lm	176000 Lm
Lumens per Watt (±10%)	150 Lm/W	140 Lm/W	130 Lm/W	140 Lm/W	140 Lm/W	140 Lm/W	110 Lm/W	110 Lm/W	110 Lm/W
Approx. Area Coverage (Average 20 Lux Minimum)	5800 sqm	6250 sqm	7400 sqm	5050 sqm	5500 sqm	6250 sqm	4000 sqm	4800 sqm	5250 sqm
DIESEL ENGINE									
Engine Model	3TNV80-IGE	3TNV80-IGE	3TNV80-IGE	3TNV80-IGE	3TNV80-IGE	3TNV80-IGE	3TNV80-IGE	3TNV80-IGE	3TNV80-IGE
Engine horse power	11 (Continuous), 12 (Stand by)	11 (Continuous), 12 (Stand by)	11 (Continuous), 12 (Stand by)	11 (Continuous), 12 (Stand by)	11 (Continuous), 12 (Stand by)	11 (Continuous), 12 (Stand by)	11 (Continuous), 12 (Stand by)	11 (Continuous), 12 (Stand by)	11 (Continuous), 12 (Stand by)
Engine Rated Power (KW)	8.2 (Continuous), 9.5 (Stand by)	8.2 (Continuous), 9.5 (Stand by)	8.2 (Continuous), 9.5 (Stand by)	8.2 (Continuous), 9.5 (Stand by)	8.2 (Continuous), 9.5 (Stand by)	8.2 (Continuous) 9.5 (Stand by)	8.2 (Continuous), 9.5 (Stand by)	8.2 (Continuous), 9.5 (Stand by)	8.2 (Continuous), 9.5 (Stand by)
No. of Cylinders	3	3	3	3	3	3	3	3	3
Emission Norms	EU Stage V	EU Stage V	EU Stage V	EU Stage V	EU Stage V	EU Stage V	EU Stage V	EU Stage V	EU Stage V
FUEL TANK									
Fuel consumption (approx)	1 Ltr/Hrs	1 Ltr/Hrs	1.4 Ltr/Hrs	1 Ltr/Hrs	1 Ltr/Hrs	1 Ltr/Hrs	1 Ltr/Hrs	1 Ltr/Hrs	1 Ltr/Hrs
ALTERNATOR									
Alternator Model	K132D	K132D	K132D	K132D	K132D	K132D	K132D	K132D	K132D
Alternator Degree of protection	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Rating Volatge (Volt)	230 Volt	230 Volt	230 Volt	230 Volt	230 Volt	230 Volt	230 Volt	230 Volt	230 Volt
Auxiliary Power	16 amp. Maximum	16 amp. Maximum	16 amp. Maximum	16 amp. Maximum	16 amp. Maximum	16 amp. Maximum	16 amp. Maximum	16 amp. Maximum	16 amp. Maximum
VERTICAL MAST									
Type	Manual Operation winch and each operation interlocked	Manual Operation winch and each operation interlocked	Manual Operation winch and each operation interlocked	Manual Operation winch and each operation interlocked	Manual Operation winch and each operation interlocked	Manual Operation winch and each operation interlocked	Manual Operation winch and each operation interlocked	Manual Operation winch and each operation interlocked	Manual Operation winch and each operation interlocked
Number of mast section	5	5	5	5	5	5	5	5	5
Mast Rotation	360 degree with locking system & manual operation	360 degree with locking system & manual operation	360 degree with locking system & manual operation	360 degree with locking system & manual operation	360 degree with locking system & manual operation	360 degree with locking system & manual operation	360 degree with locking system & manual operation	360 degree with locking system & manual operation	360 degree with locking system & manual operation
Mast Erection time	< 2 minutes	< 2 minutes	< 2 minutes	< 2 minutes	< 2 minutes	< 2 minutes	< 2 minutes	< 2 minutes	< 2 minutes
ENGINE CONTROLLER									
Engine Controller Make	Deep Sea UK/Equivalent	Deep Sea UK/Equivalent	Deep Sea UK/Equivalent	Deep Sea UK/Equivalent	Deep Sea UK/Equivalent	Deep Sea UK/Equivalent	Deep Sea UK/Equivalent	Deep Sea UK/Equivalent	Deep Sea UK/Equivalent
Engine Controller Make	DSEL401MKII	DSEL401MKII	DSEL401MKII	DSEL401MKII	DSEL401MKII	DSEL401MKII	DSEL401MKII	DSEL401MKII	DSEL401MKII
Safety Features	Engine RPM, low fuel level, Emergency stop, kilo watt(KW), Kilo watt ampere(Kva), Power factor(Pf), Freqency (Hz), Load Current, Battery Voltage(DC), Generator Voltage								