SCREW AIR COMPRESSORS

DIESEL TO AIR SOLUTION

Officially Distributed in the UAE by
Standard Technical Supply LLC
(STS)

AIR DELIVERY:
30-1600CFM

WORKING PRESSURE:
7-25BAR



standard
TECHNICAL SUPPLY LLC

POWERiNK
Energy Systems
Power Link the World

AIR COMPRESSOR
DRIVEN BY DIESEL ENGINE



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AVAILABLE TYPES

Working pressure: 7–35Bar
Air delivery: 30–1589CFM
Pressure vessel standard: ASME, DIR, GB

SPIRIT TYPE (SMALL)

Air delivery:	30-200CFM
Working pressure:	7–15 Bar
Engine brand:	Kubota, Powerlink, Cummins



EAGLE TYPE (MIDDLE)

Air delivery:	200-850CFM
Working pressure:	7–24 Bar
Engine brand:	Cummins, Kubota



HEAVY TYPE (BIG)

Air delivery:	730-1589CFM
Working pressure:	7-35 Bar
Engine brand:	Cummins



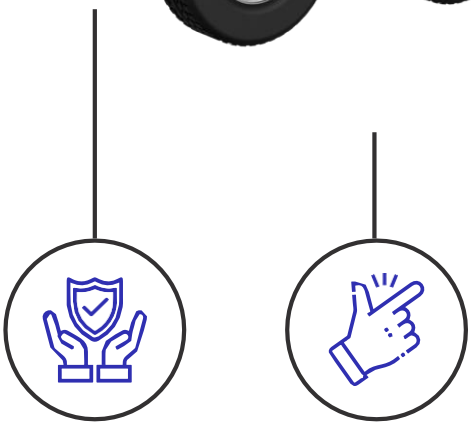
FEATURES



EXCELLENT SAFETY PERFORMANCE

Information Security

- Monitor the operational parameters in real time.
- Multiple data display, monitor, warning and shutdown functions.
- Operational Safety.
- Protection covers radiator and high-speed rotating parts and high-temperature cloth for the heat pipe.
- Low water level protection of Radiator.
- Battery isolator switch prevents sudden starting up during maintenance.
- Air-oil separator and air filter alerts for periodic maintenance.
- Advanced Waterproof and Dustproof Design.
- Rainproof and Dustproof design for the control cabinet.



OPERATION FRIENDLY

Personalized Design

- Reliable automatic functions make operation simple and unattended operation possible;
- Real-time monitoring can be achieved on the microprocessor in control system;
- Starting up and fault automatic alarm device.
- Multiple languages are optional.
- Emergency stop buttons are convenient under emergencies or overhaul circumstances.
- Multiple warning and shutdown protection functions.
- Convenient refueling water device;
- Large fuel tank ensures at least 8+ hours continuous running under full load.
- The inlet pipe is equipped with a fuel check valve and electronic fuel pump;
- Battery isolator switch, fuel pump, fuel gauge, folder, and control cabinet are located on the same side to facilitate operation.
- All external parts of unit and internal parts are labelled for safety.

Easy Maintenance

- Twin screw rotors with less quick-wear parts enable a long service life;
- POWERLINK high-quality synthetic lubricating oil;
- Easily replaced air-oil separator, double air filter and optional pre-filtering system enables the machine to be used in harsh and dusty environments, such as mining and outdoor works.
- Gull-wing wide openable door structure and removable shutters on the front and rear, ensure the best angle and operational space during maintenance;
- Integrated drain outlet installed at the chassis of unit is convenient for maintenance.
- Ladders are available for the larger type of air compressors which are convenient for inspection, watering and machine lifting.
- Easy Transportation
- The chassis has dragging functional parts, which are friendly for mine sites, the rental market and other industries.
- Economical size design;
- Double hanger structure can guarantee the lifting center without affecting operation and maintenance space.

MAIN COMPONENTS



Germany GHH Air end or equivalent

- Longer life
- High volumetric efficiency
- Low noise
- High load resistant



High-quality Engine

- Emission standard up to Tier 3;
- Integral cylinder design reduces 25% of parts than similar equipment;
- KUBOTA, DEUTZ, CAT, CUMMINS and PowerLink engine available.



Filter System

- Two stage air filtrations
- Remove 99.99% particles above 3 microns
- Automatic replacement reminder by PLC



Oil Separator

- Low oil content in output compressed air (3ppm)
- Low fuel consumption
- Low pressure drops
- Long maintenance cycle
- Automatic replacement reminder by PLC



50 °C Environment friendly, enlarged Radiator

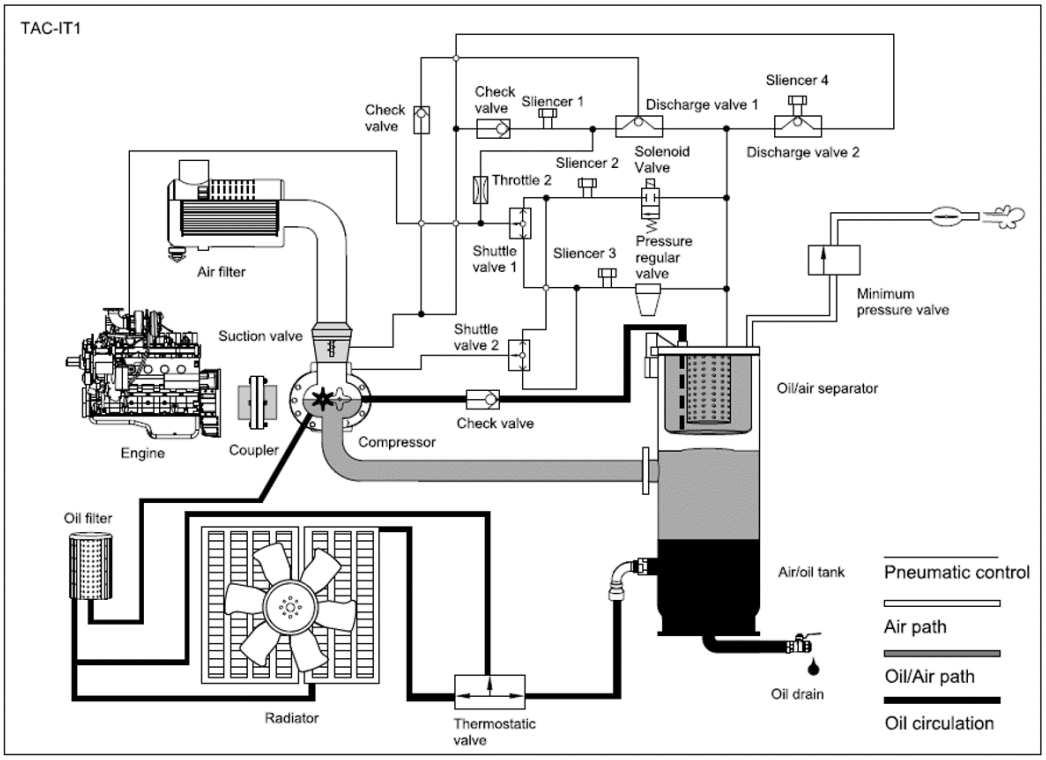
- oil-cooled water-cooled side-by-side cooling to achieve even cooling;
- Unique fin and channel design, good heat dissipation, easy to clean;
- Low-speed, low-noise axial fan;
- Vertical exhaust, optimize cooling effect



PLC Control System

- Microprocessor control;
- Monitoring operational parameters in real time;
- Parameters display, like engine speed, running time and discharge pressure etc;
- Multiple protections and alarm indicators;
- Automatic shutdown protection features for safe running.

AIR AND OIL PATH SYSTEM



SPARE PARTS

For compressor	For engine
Consumable parts	Consumable parts
Air filter	Air filter
Lubricant oil filter	Engine oil filter
Oil/air separator	Engine oil
Lubricant oil	Fuel filter
Spare parts	
Air intake valve, Thermostat Valve, Minimum pressure valve, Solenoid valve	
Seal rings	

AIR

S/P = Stationary/Portable

Model	Air Flow		Pressure	Engine				Dimensions	Weight	Structure Type
	m³/min	cu.ft/min	Bar	Model	Emission	PRM	KW	mm	KG	
DS185-7	5.23	185	7	V1505-T-E3B	N/A	1800-2700	33	2201*1104*1007	994	S/P
DR357SH-10	10.6	375	10	4BTA3.9-C125	N/A	1800-2700	70	2676*1456*1570	1736	S/P
DR375-10	11	314	10	4BTA3.9-C125	N/A	1800-2700	93	2676*1456*1570	1699	S/P
DR510SH-10	14.5	512	10	6BTA5.9-C180	N/A	1800-2700	99	2676*1456*1570	1736	S/P
DR512SH-10	16.5	582	10	6BTA5.9-C180	N/A	1800-2700	99	2676*1456*1570	1736	S/P
DR750-10	20.7	731	10	6CTA8.3-C240	N/A	1800-2700	178	3654*1600*1891	3841	S/P
DR730SH-10	20.8	733	10	6CTA8.3-C240	N/A	1800-2700	135	3900*1850*1400	3550	S/P
DR900-10	25.8	912	10	6LTAA8.9-C360	N/A	1800-2700	264	4088*2100*2180	4045	S/P
DR925SH-10	26.2	925	10	6LTAA8.9-C360	N/A	1800-2700	184	3800*1750*2287	4635	S/P
DR610SH-13	17.3	610	13	6CTA8.3-C240	N/A	1800-2700	135	3900*1850*1400	3550	S/P
DR680SH-13	19.22	678	13	6CTA8.3-C260	N/A	1800-2700	146	4038*1500*1850	3184	S/P
DR850SH-13	23.85	842	13	6LTAA8.9-C360	N/A	1800-2700	184	3800*1750*2287	4635	S/P
DR900-13	25	883	13	6LTAA8.9-C360	N/A	1800-2700	264	4392*1750*2230	4943	S/P
DR950-13	26.78	945	13	6LTAA8.9-C360	N/A	1800-2700	264	3800*1750*2287	4643	S/P
DR1200SH-13	34.5	1218	13	QSZ13-C500-II	N/A	1800-2700	286	4697*2150*2462	5231	S/P

Standard configuration

Item	Unit	Quantity
Diesel engine	set	1
Air end	set	1
PLC control cabine	set	1
Intake valve	set	1
Oil/air vessel	set	1
Radiator	set	1
Fuel filter	set	1
Air filter	set	1
Oil filter	set	1
Oil/air separator	set	1
Fuel tank	set	1
Mutfler	set	1
Battery	set	1
Coupling	set	1

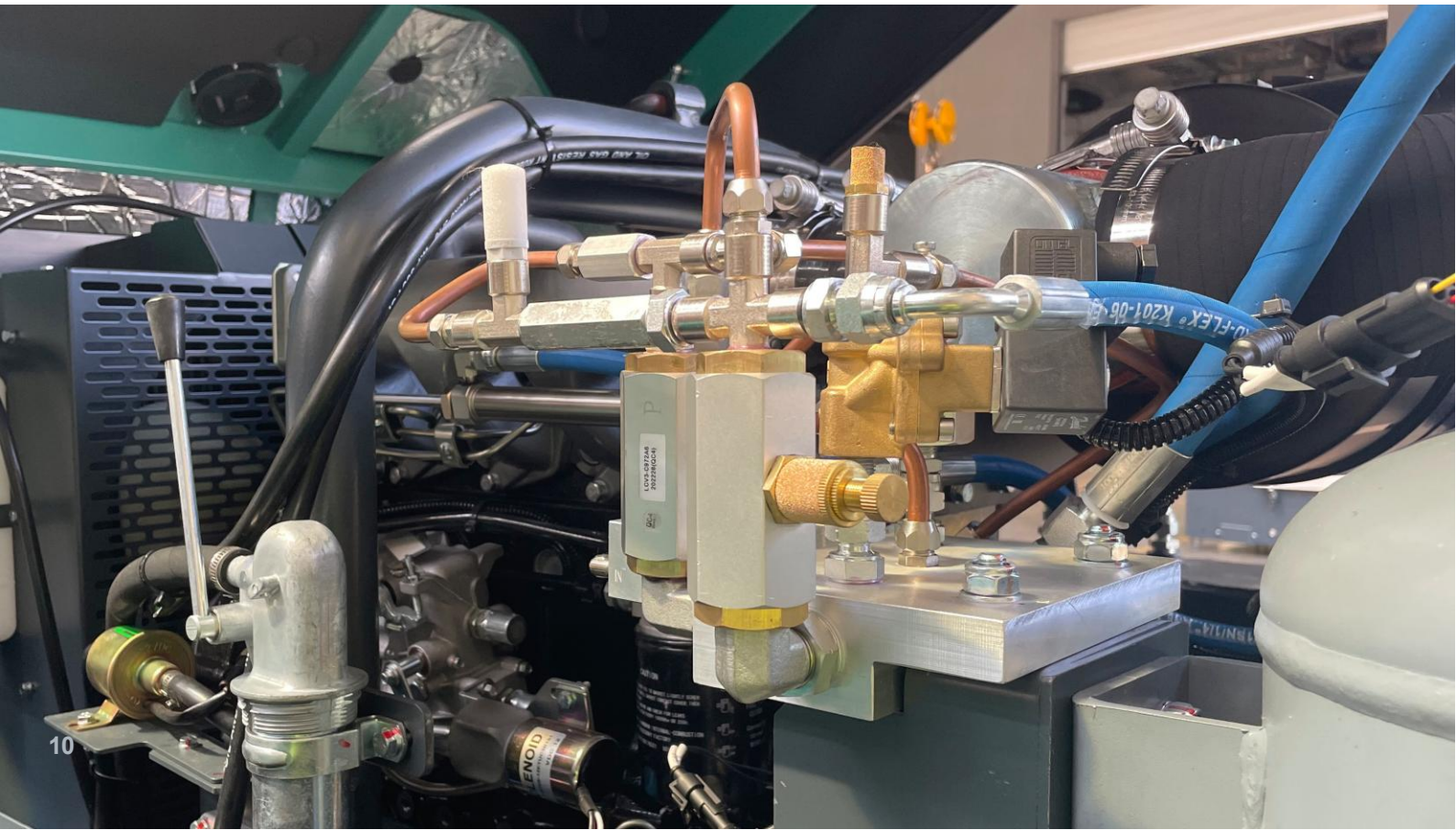
Optional configuration

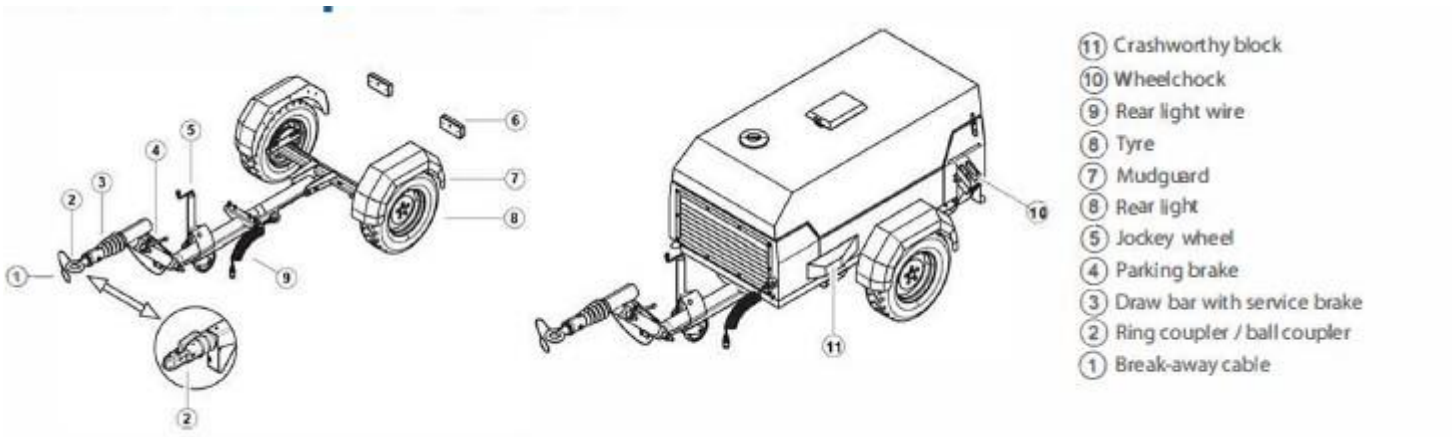
Item	Unit	Quantity
Jacket water preheater	set	1
Space heater	set	1
Trailer	set	1

Optional Trailer

Make your air compressor portable and mobile

Trailer Type	Configuration
Road standard	Including tail light, tail light connector, tail light wiring harness and outrigger
Off-road standard	Including reflector, rubber sealing plug, outrigger, fender, block and fixed bolt.





Mod
Goose neck type mob with adjustable traction height

Traction ring
The centroid of sing-axle trailer gen set lies in the front of axle; load of towing ring is 60-120kg.

Wheel and tyre
Adopt vacuum tyre

Service braking
Road standard; Off-road standard

Ground clearance
Regarding intensive trailer, within one meter (1) range between front and back of axle, ground clearance is larger than 100mm.

As for discrete trailer, with respect to over one meter (1) distance between centers of two nearby axles, 33.33mm ground clearance should be increased for each exceeding

Safety chain

Compressor Set Weight	Qty. of Safety Chain	Specification
ATM>2.ST	1	
2.ST <ATM< 3.ST	2	
3.5<ATM<4.3T	2	Chain Diameter ≥7. 1 mm and the load of chain scission ≥ 6.4T;
4.3<ATM<4.ST	2	Chain Diameter ≥ 9.5 mm, the load of chain scission ≥ 11.6T;

Draw bar
Safety Chain Linkage

- The chain won't be linked with trailer forever through hook;
- Safety chain linkage can independently bear the following external forces without causing transformation, flaw or breakage:
- Radial drawing force—1.Sx9.81 xATM (N};
- Vertical drawing force—O.Sx9.81 xATM (N};
- ATM—total weight of trailer and tractor when overloading.
- Parking braking
- No service braking for below 0.75T, mechanical braking for trailer from 0.75T to 3.ST;
- No hand brake for below 0.75T, as for above 0.75T, hanging and semi-hanging trailers are equipped with Parking brake and chock.
- Braking device must ensure reliable braking from up and down when trailers are on the 26% (15°) slope.
- Off-road standard trailers have no service braking.
- Trafficability
- Distance between base and floor is greater than 250mm;
- The angle between axle's front and rear parts and tangent surface and floor is larger than 19°.

SALES AND SERVICE SUPPORT

We successfully delivered 125000 units to worldwide users in 98 countries.
PowerLink provides customers with sufficient, fast and high-quality product supply and service.



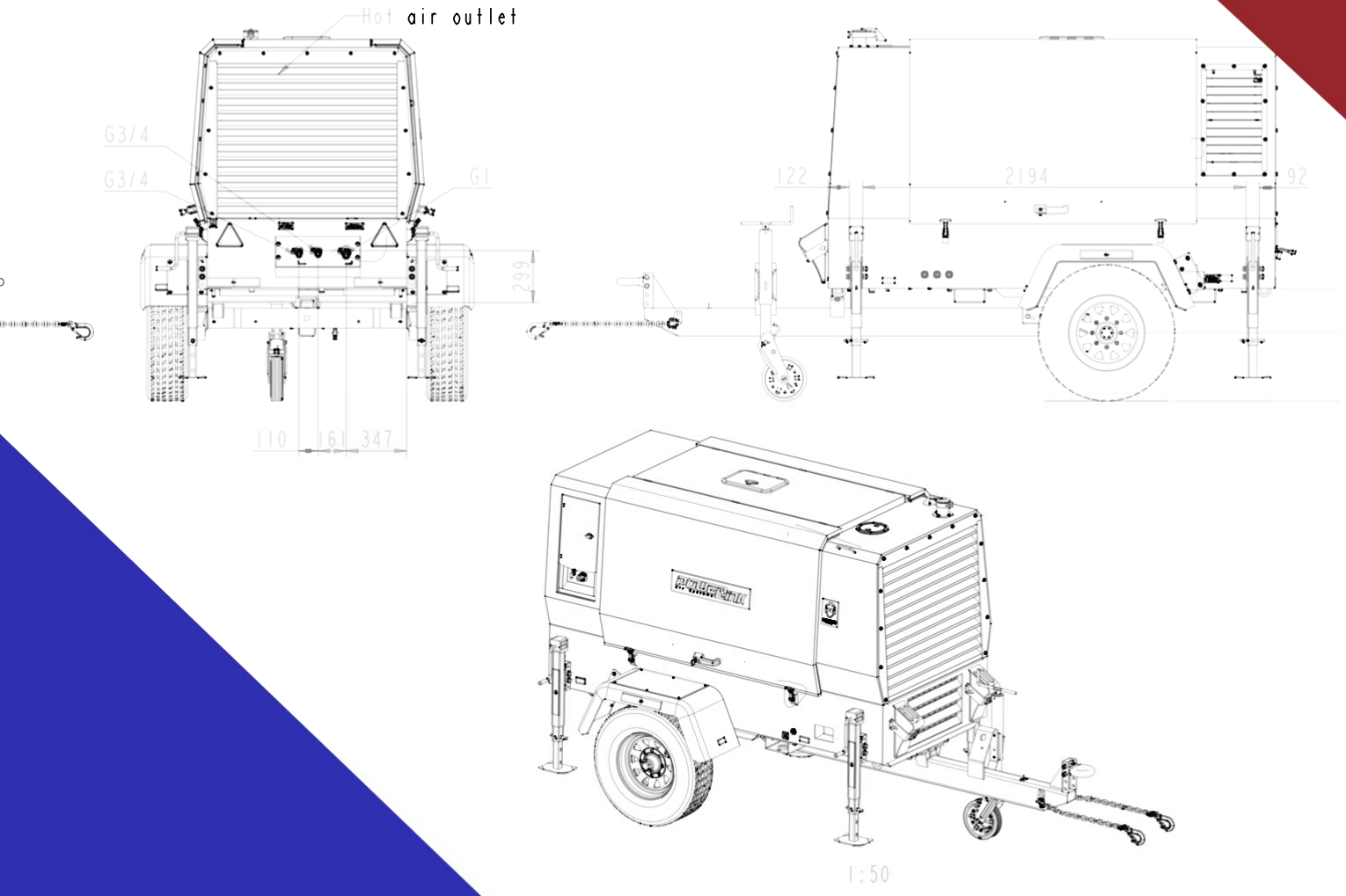
PREMIUM SUPPORT AND SERVICE ALWAYS AT YOUR SIDE

With two in-house service teams and a nationwide service network, we are capable of providing full on-site service and workshop repairs to major construction and rental sites across the Middle East and Africa region.

WE CAN ASSIST YOU WITH:

- Commissioning and testing
- Field service and repairs
- On-site debugging, Workshop service, testing, and repair
- Periodic inspections and planned corrective maintenance schedules
- Major inspections and repairs
- Supply genuine OEM spare parts

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