



Product of Singapore since 2006



Power, Performance,
Peace of Mind.





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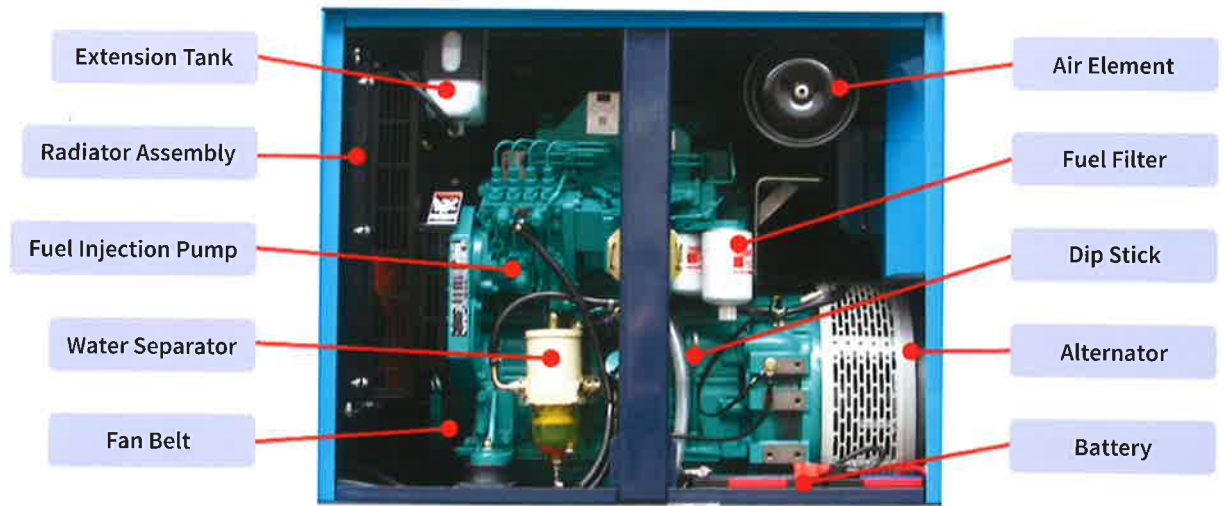
McWEL Generator has established itself for more than a decade. You would find it powering villages, construction sites, factories, hotels, buildings and etc, in the regional countries. Though McWEL Generator has proven itself, we have never stopped to continuously improve its design, quality and after sales support, to bring the best value generator to you.

McWEL Generator

McWEL Generator is designed by our experienced design team with multiple Asian customers' perspective.

Easy to Maintain

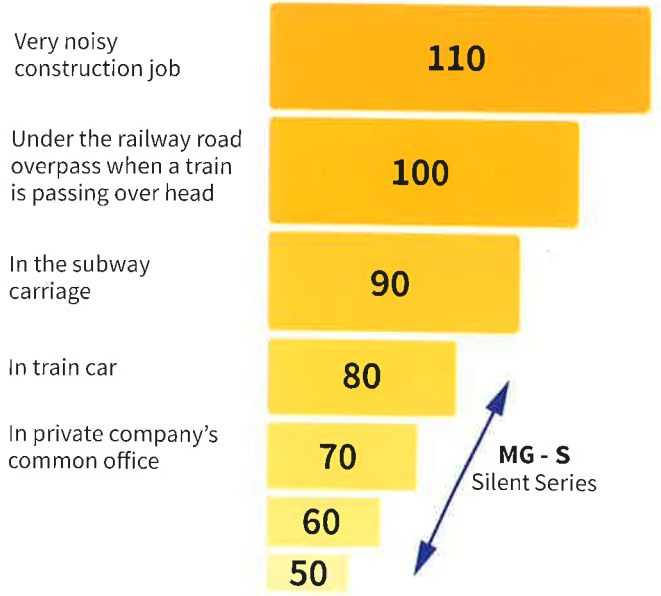
Daily routine inspection of the generator can be carried out behind two doors. The access and space are adequate for the technician to carry out his service work with ease.



Low Noise Level

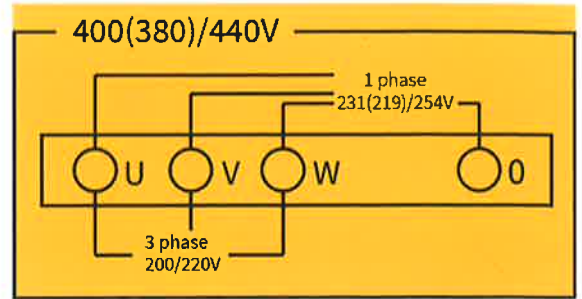
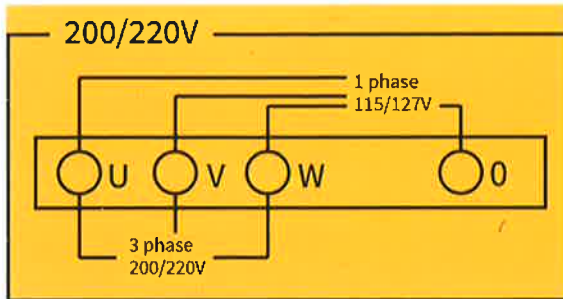
It starts with a quality low noise engine. In addition, the design of air flow, exhaust, fan, vibration absorption and enclosure were all taken into extensive consideration. Such noise level helps the user to satisfy local environmental requirement.

(at 7 meters distance from the machine with no load)



Dual Voltage

This enable users to use the generator in different voltage environment. By changing over the short connecting plate in control panel, the three phase output voltage can be switched to 200/220V from 400(380)/440V and vice versa. When starting engine, the indication lamp at the operation panel goes on to display the operating voltage immediately.



Compact in Size

The generator is designed to be as compact as possible, despite its low noise level. This allows the generator to operate within confined areas.

Stable Voltage

With the right sizing of alternator and engine and the reliable performance of the engine, the generator produce stable voltage. Such stability prolongs the life of the electrical appliance that the generator powered.

Low Fuel Consumption

Packaging the generator with reputable engine brands and their latest design helps to ensure low fuel consumption of the generator.





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McWEL GENERATOR WITH CUMMINS ENGINE

| Generator Model | MGC48S | MGC65S | MGC90S | MGC125S | MGC156S |
|-----------------------------------|---|-----------------|-------------------|-------------------|-------------------|
| Engine Model | 4BT3.9-G1 | 4BTA3.9-G2 | 4BTA3.9-G11 | 6BT5.9-G1 | 6BTA5.9-G2 |
| No Of Cylinder | 4 | 4 | 4 | 6 | 6 |
| Type | WATER - COOLED INDUSTRIAL DIESEL ENGINE | | | | |
| Displacement | 3.9 | 3.9 | 3.9 | 5.9 | 5.9 |
| Maximum Output (1500 / 1800 RPM) | 40 KW / 50 KW | 55 KW / 68.8 KW | 80 KW / 90 KW | 92 KW / 115 KW | 130 KW / 162.5 KW |
| Rated Output (1500 / 1800 RPM) | 36 KW / 45 KW | 50 KW / 62.5 KW | 70 KW / 80 KW | 86 KW / 107.5 KW | 120 KW / 150 KW |
| Fuel Consumption (75% / 50% Load) | 7 / 4.6 LT / HR | 9 / 6 LT / HR | 9.6 / 6.4 LT / HR | 15 / 11 LT / HR | 18 / 14 LT / HR |
| Model (McWEL / Engga) | GF 48 | GF 65 | GF90 | GF125 / EG225-80N | EG225-100N |
| Rated Output (1500 RPM) | 30 KW / 37 KVA | 40 KW / 50 KVA | 60 KW / 75 KVA | 80KW / 100 KVA | 100 KW / 125 KVA |
| (1800 RPM) | 39 KW / 48 KVA | 52 KW / 65 KVA | 72 KW / 90 KVA | 100 KW / 125 KVA | 125 KW / 156 KVA |
| Rated Voltage | 400 / 440V, 200 / 220V | | | | |
| Frequency | 50 / 60 HZ | | | | |
| Power Factor | 0.8 | | | | |
| Class of Rating | Prime | | | | |
| No Of Phase | 3 | | | | |
| Dimensions (MM) L X W X H | 2140X900X1220 | 2140X900X1220 | 2340X950X1220 | 2700X980X1470 | 3000X1050X1470 |
| Fuel Tank Capacity (LT) | 93 | 93 | 170 | 152 | 230 |
| Weight (KG) | 1120 | 1200 | 1350 | 1800 | 1900 |



| Generator Model | MGC225S | MGC260S | MGC310S | MGC400S | MGC510S | MGC600S |
|-----------------------------------|---|-------------------|------------------|------------------|------------------|---------------------|
| Engine Model | 6CTA8.3-G2 | 6CTAA8.3-G2 | 6LTA8.9-G3 | QSM11-G2 | 6ZTAA13-G2 | QSZ13A-G3 |
| No Of Cylinder | 6 | 6 | 6 | 6 | 6 | 6 |
| Type | WATER - COOLED INDUSTRIAL DIESEL ENGINE | | | | | |
| Displacement | 8.3 | 8.3 | 8.9 | 10.8 | 14 | 13 |
| Maximum Output (1500 / 1800 RPM) | 180 KW / 225 KW | 203 KW / 253.8 KW | 240 KW / 300 KW | 321 KW / 351 KW | 407 KW / 457 KW | 470 KW / 500 KW |
| Rated Output (1500 / 1800 RPM) | 163 KW / 203.8 KW | 183 KW / 228.8 KW | 220 KW / 275 KW | 292 KW / 319 KW | 373 KW / 410 KW | 450 KW / 450 KW |
| Fuel Consumption (75% / 50% Load) | 26 / 19 LT / HR | 30 / 23 LT / HR | 35 / 28 LT / HR | 48 / 33 LT / HR | 67 / 47 LT / HR | 74.2 / 48.9 LT / HR |
| Model (McWEL / Engga) | EG280-160N | EG280-160N | EG280-200N | EG315-280N | EG315-360N | EG315-400N |
| Rated Output (1500 RPM) | 140 KW / 175 KVA | 160 KW / 200 KVA | 200 KW / 250 KVA | 260 KW / 325 KVA | 320 KW / 400 KVA | 400 KW / 500 KVA |
| (1800 RPM) | 180 KW / 225 KVA | 208 KW / 260 KVA | 240 KW / 300 KVA | 315 KW / 394 KVA | 435 KW / 510 KVA | 480 KW / 550 KVA |
| Rated Voltage | 400 / 440V, 200 / 220V | | | | | |
| Frequency | 50 / 60 HZ | | | | | |
| Power Factor | 0.8 | | | | | |
| Class of Rating | Prime | | | | | |
| No Of Phase | 3 | | | | | |
| Dimensions (MM) L X W X H | 3200X1100X1600 | 3200X1200X1600 | 3400X1300X1800 | 3900X1300X1850 | 4150X1700X2150 | 4150X1700X2150 |
| Fuel Tank Capacity (LT) | 270 | 260 | 390 | 543 | 800 | 1000 |
| Weight (KG) | 2500 | 2700 | 3600 | 3900 | 4790 | 6500 |

Note : We design and build generator with other brands of engine / alternator for other KW / KVA size based on customers' specific requirement.

McWel GENERATOR

| | | | | | | | | |
|--------------------------------------|---|-----------------------------|---------------------------|---------------------------|-------------------|-------------------|--------------------|--------------------|
| Generator Model | MGY16S | MGY20S | MGY25S | MGY31S | MGI31S | MGI37S | MGI45S | MGI45S-LN |
| Engine Model | 3TNV88-GGE | 4TNV88-GGE | 4TNV88-GLE | 4TNV88-GLE | 4JB1-493 | 4JB1T-493 | 4JB1TA | 4JB1TA |
| No Of Cylinder | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Type | WATER - COOLED INDUSTRIAL DIESEL ENGINE | | | | | | | |
| Displacement | 1.642 | 2.19 | 2.19 | 2.19 | 2.8 | 2.8 | 2.771 | 2.771 |
| Maximum Output (1500 RPM / 1800 RPM) | 15.3 / 17 KW | 19.5 / 24 KW | 31 / 34 KW | 31 / 34 KW | 27 KW | 32 KW | 40 KW | 40 KW |
| Rated Output (1500 RPM / 1800 RPM) | 14 / 15.5 KW | 18 / 22 KW | 28 / 31 KW | 28 / 31 KW | 24 KW | 28 KW | 36 KW | 36 KW |
| Fuel Consumption (75% / 50% Load) | 1.4 / 2.2 LT / HR | 1.5 / 2.3 LT / HR | 2.1 / 3.4 LT / HR | 2.7 / 3.8 LT / HR | 4.8 / 4.0 LT / HR | 5.5 / 4.8 LT / HR | 7.06 / 4.7 LT / HR | 7.06 / 4.7 LT / HR |
| Model (McWel / Engga) | GF 16 | GF 20 | GF 25 | GF 31 | GF 31 | GF 37 | GF 48 | GF 48 |
| Rated Output (50 HZ / 60 HZ) | 10.8 / 13.5 KW 13.5 / 16.8 KVA | 12.8 / 16 KW 16 / 20 KVA | 16 / 20 KW 20 / 25 KVA | 20 / 26 KW 25 / 31 KVA | 20 KW / 25 KVA | 25 KW / 31.3 KVA | 30 KW / 37 KVA | 30 KW / 37 KVA |
| Rated Voltage | 400 / 440V, 200 / 220V | | | | | | | |
| Frequency | 50 HZ / 60 HZ | | | | | | | |
| Power Factor | 0.8 | | | | | | | |
| Class of Rating | Prime | | | | | | | |
| No Of Phase | 3 | | | | | | | |
| Dimensions (MM) L X W X H | 1490X700X930 | 1490X700X930 | 1600X700X960 | 1600X700X960 | 1850X850X1100 | 1850X850X1000 | 2000X850X1050 | 2120X950X1200 |
| Fuel Tank Capacity (LT) | 41 | 41 | 45 | 45 | 63 | 63 | 80 | 80 |
| Weight (KG) | 560 | 680 | 680 | 680 | 800 | 800 | 1100 | 1100 |

McWel GENERATOR

| | | | | |
|-----------------------------------|---|---------------------|---------------------|------------------|
| Generator Model | MGP90S | MGP125S | MGP156S | MGP225S |
| Engine Model | 1004TG | 1006TG1A | 1006TG2A14 | 1106C-P6TAG4 |
| No Of Cylinder | 4 | 6 | 6 | 6 |
| Type | WATER - COOLED INDUSTRIAL DIESEL ENGINE | | | |
| Displacement | 3.99 | 5.99 L | 5.99 | 5.98 |
| Maximum Output (1500 RPM) | 72.3 KW | 94.9 KW | 119 KW | 174 KW |
| Rated Output (1500 RPM) | 65.7 KW | 86.3 KW | 108 KW | 158 KW |
| Fuel Consumption (75% / 50% Load) | 12 / 10.2 LT / HR | 16.5 / 11.4 LT / HR | 17.2 / 11.5 LT / HR | 26 / 19 LT / HR |
| Model (McWel / Engga) | GF 90 | GF 125 | GF 156 | GF 225 |
| Rated Output | 64 KW / 75 KVA | 80 KW / 100 KVA | 100 KW / 125 KVA | 140 KW / 175 KVA |
| Rated Voltage | 400 / 440V, 200 / 220V | | | |
| Frequency | 50 HZ / 60 HZ | | | |
| Power Factor | 0.8 | | | |
| Class of Rating | Prime | | | |
| No Of Phase | 3 | | | |
| Dimensions (MM) L X W X H | 2400X920X1350 | 2700X980X1470 | 2900X980X1470 | 3300X1100X1700 |
| Fuel Tank Capacity (LT) | 93 | 170 | 170 | 185 |
| Weight (KG) | 1400 | 1800 | 1960 | 2750 |



Note : We design and build generator with other brands of engine / alternator for other KW / KVA size based on customers' specific requirement.

Options



Standard Panel



Digital Control Panel

- Customer can include and add the following options.
- Custom design and engineering solutions based on your specific requirements and applications.
 - Automatic Transfer Switch
 - Synchronizing & Parallel Operation
 - Distribution Box
 - Integrated Distribution Box
 - Remote Radiator
 - Extended Exhaust
 - Addition Sound Attenuation
 - Additional Fuel Tank
 - Protection Bracket
 - Spill Containment
 - Extra Silent Design



Automatic Transfer Switch
& Distribution Box



Integrated Distribution Box



Remote Radiator



Extended Exhaust



Additional Fuel Tank



Extra Silent Design

Our Service to Support the Generators

- ✓ **Sizing Consultancy** : Our experienced engineers are able to evaluate your power requirement and recommend accordingly
- ✓ **Parts Sales** : Parts for the McWel products to support a smooth operation of the machines
- ✓ **Repair Service** : Established Service and Workshop capability to provide after sales support
- ✓ **Maintenance Contract** : Peace of mind maintenance contracts are available
- ✓ **Extended Warranty** : Peace of mind extended warranties are available
- ✓ **Rental** : You may rent the machine to test out the machine, stand-in during a repair, when there is a peak in requirement, etc.
- ✓ **Operator Training** : Qualified trainers to train your operator to ensure a smooth operation of McWel products
- ✓ **Load Testing** : Quality test of the generator with load before a delivery, after a repair, etc.



Parts Sales

McWel Welder

- It has separate welding range with fine adjustment in each range.
- Its 550 amperes output is catered for 1.6 to 8.0 mm Air Carbon Arc Gouging and Stud Welding.
- It provides auxiliary power while welding.

McWel M630 DIESEL WELDER

| DC WELDER | | | AUX POWER | | | ENGINE (Model F3I912) | | |
|-----------------------|-----------|-------------|---------------|------------|--------------------|-----------------------|-------------------------------------|-------------|
| Type | DC Output | | Type | AC Output | | Type | Air-Cooled Industrial Diesel Engine | |
| Rated Output | KW | 26.4 | Rated Output | KW | 3(1-phase version) | Rated Output | KW | 29 |
| Rated Current | A | 600 | Rated Current | A | 13;27 | Rated Speed | RPM | 1800 / 60HZ |
| Voltage | V | 20-45 | Voltage | V | 230;110 | Cooling System | Air-Cooled Environmental Conditions | |
| Current Range | A | 55-550 | Rated Speed | RPM | 1800 / 60hz | Driving System | Direct Coupling | |
| Open-Circuit Voltage | V | 95 | Rating | Continuous | | Fuel Oil | Light Diesel Oil | |
| Rated Duty Cycle | % | 60 | | | | Lubricating System | Gear Pump | |
| Rated Speed | RPM | 1800 / 60hz | | | | Starting System | Electric Motor | |
| Applicable Electrode | MM | 1.6-8.0 | | | | Battery Capacity | 12V-80AH | |
| Fuel Tank Capacity | L | 90 | | | | | | |
| Dimensions (MM) | L | 1525 | | | | | | |
| | W | 760 | | | | | | |
| | H | 1050 | | | | | | |
| Net Weight | KG | 900 | | | | | | |
| Protecting Attachment | Bracket | | | | | | | |



LIGHTING TOWER

Lighting Tower VT8

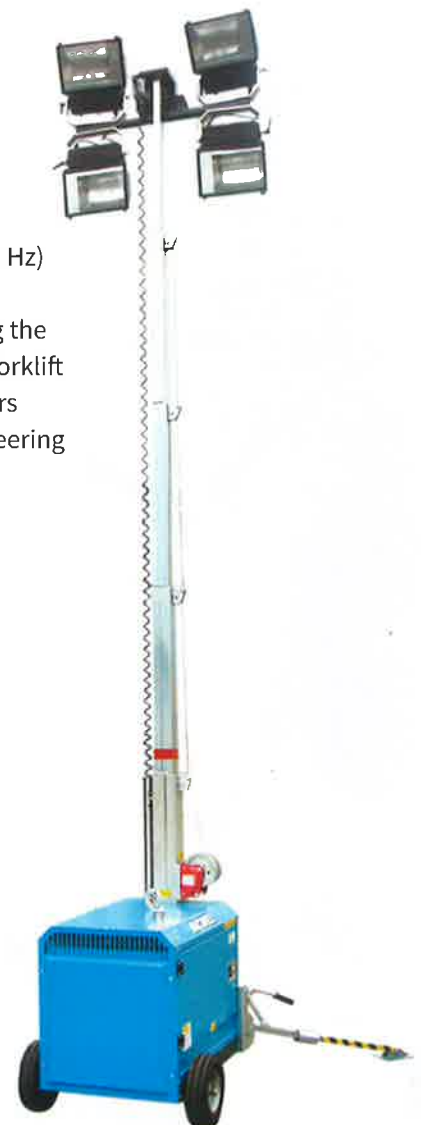
Features

- Vertical Mast
- 8m max height
- Galvanized telescopic sections
- 5 adjustable stabilizers
- Certified wind stability up to 110 Km/h
- Rising system with manual winch
- 4 x 1000W metal halide floodlights
- On/Off switches one for each lamp
- Low speed towing trailer, single axle
- 3 kVa 230V outlet socket
- 8 kVa 230V power generator (50/60 Hz)
- Coiled cable to supply the lamps
- Pockets and central hook for lifting the complete structure with crane or forklift
- 340° mast rotation
- 75 l fuel metal tank
- Lockable doors
- Series of alarms to prevent engine failures
- Running time of more than 40 hours
- Hour counter
- Emergency stop button
- Fuel level indicator

Lighting Tower MT-1

Features

- Vertical Mast
- 5.3m max height
- Galvanized telescopic sections
- 2 adjustable stabilizers
- Certified wind stability up to 80 Km/h
- Rising system with manual winch
- 4 x 400W metal halide or 4 x 150W LED floodlights
- On/Off switches one for each lamp
- 2 kVa 230V outlet socket
- 5 kVa 230V power generator (50/60 Hz)
- Coiled cable to supply the lamps
- Pockets and central hook for lifting the complete structure with crane or forklift
- Running time of more than 26 hours
- 4 wheels hand trolley with wide steering angle and safety braking systems



MARINE GENERATOR

| Generator Model | | MGP65M | MGP90M |
|-------------------------|-----------------------------------|---|-------------------|
| ENGINE | Model | 1004TG (Lovel) | 1004TG (Lovel) |
| | No Of Cylinder | 4 | 4 |
| | Type | WATER - COOLED INDUSTRIAL DIESEL ENGINE | |
| | Displacement (L) | 3.9 | 3.99 |
| | Maximum Output (1500 / 1800 RPM) | 55 KW / 68.8 KW | 72.3 KW / 90.4 KW |
| | Rated Output (1500 / 1800 RPM) | 50 KW / 62.5 KW | 65.7 KW / 82.1 KW |
| | Fuel Consumption (70% / 50% Load) | 9.0 LT / HR | 15.85 LT / HR |
| ALTERNATOR | Model (Genfor) | GF 65 | GF 90 |
| | Rated Output (5 HZ / 60HZ) | 40 KW / 52 KVA | 60 KW / 75 KVA |
| | Rated Voltage | 400 / 440V, 200 / 220V | |
| | Frequency | 50 / 60 HZ | |
| | Power Factor | 0.8 | |
| | Class of Rating | Prime | |
| | No Of Phase | 3 | |
| | Dimensions (MM) L X W X H | 2270X920X1350 | 2400X920X1250 |
| Fuel Tank Capacity (LT) | 130 | 170 | |
| Weight (KG) | 1200 | 1400 | |

McWel Water Pump

- Its self-contained design allows the discharge of water to be carried out with ease.
- The enclosure reduces the typical noise that accompanying such water discharging operation.

McWel WATER PUMP SERIES

4 INCH MP3L11-4 / 6 INCH MP4L17-6 / 8 INCH MP6L20-8

| 4 INCH MP3L11-4 | |
|-----------------------|---------------------|
| CAPACITY (2150 RPM) | 28M3/H ----- 98M3/H |
| HEAD | 0 ----- 40M |
| PSI | 4 ----- 58PSI |
| Protecting Attachment | Bracket |

| 6 INCH MP4L17-6 | |
|-----------------------|----------------------|
| CAPACITY (2150 RPM) | 83M3/H ----- 328M3/H |
| HEAD | 0 ----- 31M |
| PSI | 4 ----- 44PSI |
| Protecting Attachment | Bracket |

| 8 INCH MP6L20-8 | |
|-----------------------|-----------------------|
| CAPACITY (2150 RPM) | 138M3/H ----- 578M3/H |
| HEAD | 0 ----- 31M |
| PSI | 4 ----- 44PSI |
| Protecting Attachment | Bracket |



Power, Performance, Peace of Mind.





Due to the company's policy of continuous development and improvement, the right is reserved to change the specifications without notice.

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