

**FULL LINE**

**osma**

Quality & Tradition since 1976



**WALKING EXCAVATOR**

**BATEMAG**

# Working with the right tool solves many problems...

When working, if you need a powerful, yet compact excavator which can be positioned anywhere with maximum stability, you should take a look at the Batemag excavator.

Performance, low consumption and comfort all designed to make your job easy and safe, with a guaranteed high quality service for customers, whether small or large companies.

Available in two or four rear wheel versions to perfectly adapt to your needs.

OSMA Batemag excavators with articulated supports set new standards at world level for "claw" type machines.

Operator safety and comfort were the main objective when designing these machines; furthermore, their performance and the important characteristics decisively contribute to your business success.

Thanks to the standard auxiliary hydraulic systems and hydraulic preparation for fast coupling, these machines can be used for any job, in any place and at any time as required. You can totally trust 40 years of OSMA experience and our constant commitment to guaranteed Quality and Reliability.

The OSMA Batemag excavator represents the perfect synthesis between the unbeatable performance data of a standard excavator and the reduced dimensions of a compact machine.

Also in situations with very little space, the Batemag guarantees excellent excavation and loading performance. Maintenance is very easy thanks to the wide opening range of the protective body and the tilting cabin. Equipped with a BShock frame designed with FEM 3D analysis for extreme stress.

Special steel Weldox and Hardox parts are used for construction, offering high resistance and maximum flexibility.

100% "Made in Italy", all-Italian quality and service



Cab with windows that open on three sides for maximum comfort



Instrumentation VDO oil level and water temperature sensors, self diagnostics



Canopy opening on all sides of the excavator for easy maintenance.



Excellent performance even in tight spaces.  
Ergonomic controls help reduce operator fatigue.  
Exceptional power to deliver maximum performance with auxiliary equipment.



# Total flexibility

# Respect for the environment

Batemag excavators and articulated supports are convincing thanks to the modern technologies used and the high quality workmanship. Built to always enable maximum productivity, they display all their potential, thanks to intelligent design, showing their full capabilities in restricted spaces. Perfectly regulated and equilibrated, Batemag parts give your excavator optimal operational capacities.

- The reduced rotation range, the best in its category, will allow you to go where normal excavators can't.
- To work more efficiently, these models mount the automatic return system to minimum engine rotations if the commands are not touched for 10 seconds.
- The system then brings the motor to the selected rotations when the operator touches a joystick. The automatic return to the minimum reduces noise for greater safety and longer operating life of the engine.
- All the models have two movement speeds, one for serious slopes and the other for fast movement on flat land.
- The hydraulic load sensing, anti-saturation system, which is standard on all models, offers the best technology available today, guaranteeing simplicity and efficiency. The speed of movements depends only on the position of the hydraulic joysticks. This is independent of the load of the number of movements requested. The system immediately only sends the requested power.
- When the excavator is not working, other than reducing engine rotations, the hydraulic system brings the oil flow to minimum capacity sufficient to lubricate the circuit, guaranteeing optimal fluid cooling and avoiding useless waste of power.
- All Batemag excavators are equipped with a 100% differential lock to guarantee maximum traction when dealing with difficult slopes.
- The new Batemag engine technology enables reduced NOx and particulate emissions, fuel consumption and noise. The engine is certified based on EU Stage IIIA and EPA Tier III standards on emissions. To further reduce machine emissions, an anti-particulate filter (DPF) is also available.



Unsurpassed operating capability



Cabin with large windows, heat reflective, for exceptional visibility.



Exuberance power on the hydraulic auxiliary line: 180 lt / min. to yield unparalleled.



# Caratteristiche tecniche

Modello	P.40	P.70	P.88	P.100
Motore diesel	Kubota V1505T	Perkins 1104C-44T	Perkins 1104D-44TA	Perkins 1104DE-TA
Cilindrata	1498 cc.	4500 cc.	4500 cc.	4500 cc.
Potenza installata	31 Kw a 2800 g/min.	74,5 Kw a 2200 g/min.	83 Kw a 2200 g/min.	106 Kw a 2200 g/min.
Coppia massima	112 Nm	418 Nm a 1400 g/min.	486 Nm a 1400 g/min.	556 Nm a 1400 g/min.
Emissioni	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III
<b>Attrezzatura elettrica</b>				
Tensione	12 V	12 V	12 V	12 V
Batteria	45 Ah	50 Ah	50 Ah	50 Ah
<b>Sistema idraulico</b>				
Sistema idraulico Load Sensing antisaturazione Bosch-Rexroth				
Circuito di lavoro	110 lt/min.	220 lt/min.	250 lt/min.	290 lt/min.
Pressione di esercizio	240 bar	280 bar	300 bar	300 bar
Circuito di traslazione	70 lt/min.	95 lt/min. idrostatico	95 lt/min. idrostatico	150 lt/min. idrostatico
Pressione di esercizio	240 bar	400 bar	400 bar	450 bar
Circuito idraulico AP	60 lt/min.	150 lt/min.	150 lt/min.	180 lt/min.
Pressione di esercizio	240 bar	280 bar	320 bar	320 bar
<b>Note tecniche principali</b>				
Velocità di traslazione	0/5.2 - 0/10,5 km/h	0/5.2 - 0/12 km/h	0/5.2 - 0/15 km/h	0/5.2 - 0/15 km/h
Pendenza max su ruote	56%	50%	50%	60%
Pendenza max superabile con braccio+ruote	100%	100%	100%	120%
Velocità rotazione torretta	9 g/min.	9 g/min.	9 g/min.	9 g/min.
Freno sulla rotazione	di serie	di serie	di serie	di serie
Forza di rotazione	22000 daN	48000 daN	49000 daN	54000 daN
Forza di strappo al dente	28 kN	71 kN	78 kN	115 kN
Forza di penetrazione	17 kN	48 kN	54 kN	103 kN
Peso in ordine di marcia	Ton. 4.0	Ton.8.3	Ton.9.0	Ton.11.0
<b>Rifornimenti</b>				
Serbatoio principale	35 lt.	80 lt.	98 lt.	115 lt.
Serbatoio ausiliario	----	116 lt.	116 lt.	140 lt.
Olio Motore	6.0 lt.	8.0 lt.	8.0 lt.	8.0 lt.
Olio idraulico	70 lt.	180 lt.	180 lt.	230 lt.
<b>Elementi strutturali</b>				
Struttura braccio di scavo	acciaio Weldom 700-900 certificato			
Struttura telaio	acciaio Weldom 700 certificato			
Struttura stabilizzatori	acciaio Weldom 700 certificato			
Piedi di appoggio e benna	acciaio Hardox 400 certificato			
<b>Dimensioni di trasporto</b>				
Lunghezza **	3800 mm.	5500 mm.	5500 mm.	6800 mm.
Larghezza	1280 mm.	1800 mm.	1850 mm.	2000 mm.
Altezza	2500 mm.	2550 mm.	2550 mm.	2580 mm.
** braccio fuori vano di carico				

I dati contenuti in questo catalogo sono forniti a titolo indicativo; il costruttore potrà apportare in qualunque momento modifiche che ai modelli descritti in questo catalogo, per ragioni di natura tecnica o commerciale. Le illustrazioni in questo documento non mostrano necessariamente il prodotto in versione standard. Per ulteriori informazioni il cliente è pregato di rivolgersi al più vicino concessionario o alla ditta Osma stessa.

# Technical data

Model	P.40	P.70	P.88	P.100
Diesel motor type	Kubota V1505T	Perkins 1104C-44T	Perkins 1104D-44TA	Perkins 1104DE-TA
Piston displacement	1498 cc.	4500 cc.	4500 cc.	4500 cc.
Rated power	31 Kw at 2800 g/min.	74,5 Kw at 2200 g/min.	83 Kw at 2200 g/min.	106 Kw at 2200 g/min.
Peak torque	142 Nm	418 Nm at 1400 g/min.	486 Nm at 1400 g/min.	556 Nm at 1400 g/min.
Emission compliant	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III
<b>Electric equipment</b>				
Voltage	12 V	12 V	12 V	12 V
Battery	45 Ah	50 Ah	50 Ah	50 Ah
<b>Hidraulic system</b>				
Bosch Rexroth load sensing last generation hydraulic circuit with priority control to the swing mode				
Main circuit	110 lt/min.	220 lt/min.	250 lt/min.	290 lt/min.
Max pressure	240 bar	280 bar	300 bar	300 bar
Travel circuit	70 lt/min.	95 lt/min. idrostatico	95 lt/min.idrostatico	150 lt/min.idrostatico
Max pressure	240 bar	400 bar	400 bar	450 bar
Extra circuit for equipment	60 lt/min.	150 lt/min.	150 lt/min.	180 lt/min.
Max pressure	240 bar	280 bar	320 bar	320 bar
<b>Main specifications</b>				
Travel speed	0/5.2 - 0/10,5 km/h	0/5.2 - 0/12 km/h	0/5.2 - 0/15 km/h	0/5.2 - 0/15 km/h
Max slope on wheels	56%	50%	50%	60%
Max slope with boom + wheels	100%	100%	100%	120%
Turret revolution	9 g/min.	9 g/min.	9 g/min.	9 g/min.
Swing brake	di serie	di serie	di serie	di serie
Swing force	22000 daN	48000 daN	49000 daN	54000 daN
Breakout force	28 kN	71 kN	78 kN	115 kN
Tearout force	17 kN	48 kN	54 kN	103 kN
Weight	Ton. 4.0	Ton.8.3	Ton.9.0	Ton.11.0
<b>Service refill capacities</b>				
Main fuel tank	35 lt.	80 lt.	98 lt.	115 lt.
Auxiliary fuel tank	----	116 lt.	116 lt.	140 lt.
Motor oil	6.0 lt.	8.0 lt.	8.0 lt.	8.0 lt.
Hydraulic oil	70 lt.	180 lt.	180 lt.	230 lt.
<b>Steel structures</b>				
Main booms	Weldox 700-900 certified steel			
Undercarriage	Weldox 700 certified steel			
Stabilizers	Weldox 700 certified steel			
Feets and buckets	Hardox 400 certified steel			
<b>Dimensions</b>				
Lenght **	3800 mm.	5500 mm.	5500 mm.	6800 mm.
Width	1280 mm.	1800 mm.	1850 mm.	2000 mm.
Height	2500 mm.	2550 mm.	2550 mm.	2580 mm.
** boom out of truck				

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine. Any informations should be obtained from our dealer or from OSMA company.

# Technische karte

Model	P.40	P.70	P.88	P.100
Motor typ	Kubota V1505T	Perkins 1104C-44T	Perkins 1104D-44TA	Perkins 1104DE-TA
Kolbenleistung	1498 cc.	4500 cc.	4500 cc.	4500 cc.
Kurvenleistung	31 Kw at 2800 g/min.	74,5 Kw at 2200 g/min.	83 Kw at 2200 g/min.	106 Kw at 2200 g/min.
Maximaler Drehmoment	142 Nm	418 Nm at 1400 g/min.	486 Nm at 1400 g/min.	556 Nm at 1400 g/min.
Schadstoffemissionen	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III
<b>Electrischer Installations</b>				
Voltage	12 V	12 V	12 V	12 V
Batterie	45 Ah	50 Ah	50 Ah	50 Ah
<b>Hydraulische Anlage</b>				
Hydraulische anlage pumpe Bosch Rexroth LUDV				
Fordermenge Max	110 lt/min.	220 lt/min.	250 lt/min.	290 lt/min.
Betriebsdruck	240 bar	280 bar	300 bar	300 bar
Bewegungs circuit	70 lt/min.	95 lt/min. idrostatico	95 lt/min.idrostatico	150 lt/min.idrostatico
Betriebsdruck	240 bar	400 bar	400 bar	450 bar
Hydraulischer AP Circuit	60 lt/min.	150 lt/min.	150 lt/min.	180 lt/min.
Betriebsdruck	240 bar	280 bar	320 bar	320 bar
<b>Wichtigste Tecnische Hinweise</b>				
Fahrgeschwindigkeit	0/5.2 - 0/10,5 km/h	0/5.2 - 0/12 km/h	0/5.2 - 0/15 km/h	0/5.2 - 0/15 km/h
Max Steigfamigkeit auf zwei rädern	56%	50%	50%	60%
Max Steigfamigkeit mit arm + rädern	100%	100%	100%	120%
Schwenkgeschwindigkeit	9 g/min.	9 g/min.	9 g/min.	9 g/min.
Bremse auf der umdrehung	standard	standard	standard	standard
Schwenkmoment	22000 daN	48000 daN	49000 daN	54000 daN
Losbrechkraft (ISO 6015)	28 kN	71 kN	78 kN	115 kN
Reißkraft (ISO 6015)	17 kN	48 kN	54 kN	103 kN
Dienstgewicht	Ton. 4.0	Ton.8.3	Ton.9.0	Ton.11.0
<b>Tank Inhalte</b>				
Betriebstank	35 lt.	80 lt.	98 lt.	115 lt.
Reservetank	----	116 lt.	116 lt.	140 lt.
Motor Öl	6.0 lt.	8.0 lt.	8.0 lt.	8.0 lt.
Hydraulik Öl	70 lt.	200 lt.	200 lt.	250 lt.
<b>Ausrüstung</b>				
Aufbruck armstruktur	Weldox 700-900 Sthal			
Unterswagen struktur	Weldox 700 Sthal			
Abstütze struktur	Weldox 700 Sthal			
Fuss und Löffel struktur	Hardox 400 Sthal			
<b>Abmessung für transporte</b>				
Länge**	3800 mm.	5500 mm.	5500 mm.	6800 mm.
Breite	1280 mm.	1800 mm.	1850 mm.	2000 mm.
Höme	2500 mm.	2550 mm.	2550 mm.	2580 mm.
** arm auserhalb des plattformwagen				

Die in diesem Katalog enthaltenen Daten haben nur Richtwert. Der Hersteller behält sich das Recht vor, die in diesem Katalog beschriebenen Modelle sowohl aus technischen als auch aus kommerziellen Gründen jederzeit zu ändern. Die in diesem Dokument enthaltenen Bilder stellen nicht zwingend das Standardmodell dar. Für weitere Informationen wenden Sie sich bitte an den nächsten Osma-Händler bzw. an die Osma firma.



# Fiche technicien

Modèle	P.40	P.70	P.88	P.100
Moteur diesel	Kubota V1505T	Perkins 1104C-44T	Perkins 1104D-44TA	Perkins 1104DE-TA
Portée des pistons	1498 cc.	4500 cc.	4500 cc.	4500 cc.
Régime de calibrage	31 Kw at 2800 g/min.	74,5 Kw at 2200 g/min.	83 Kw at 2200 g/min.	106 Kw at 2200 g/min.
Couple maximum	142 Nm	418 Nm at 1400 g/min.	486 Nm at 1400 g/min.	556 Nm at 1400 g/min.
Emission de substances nocives	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III
<b>Circuit Électrique</b>				
Tension	12 V	12 V	12 V	12 V
Batteries	45 Ah	50 Ah	50 Ah	50 Ah
<b>L'installation Hydraulique</b>				
Circuit "Load Sensing" de dernière génération Bosch Rexroth à débit variable avec réglage électronique et priorité sur le circuit de la rotation				
Circuit d'équipement	110 lt/min.	220 lt/min.	250 lt/min.	290 lt/min.
Pression maxi	240 bar	280 bar	300 bar	300 bar
Transmission circuit	70 lt/min.	95 lt/min. hydrostatique	95 lt/min. hydrostatique	150 lt/min. hydrostatique
Pression maxi	240 bar	400 bar	400 bar	450 bar
Lignes accessoires	60 lt/min.	150 lt/min.	150 lt/min.	180 lt/min.
Pression maxi	240 bar	280 bar	320 bar	320 bar
<b>Caractéristiques</b>				
Vitesse	0/5.2 - 0/10,5 km/h	0/5.2 - 0/12 km/h	0/5.2 - 0/15 km/h	0/5.2 - 0/15 km/h
Dépassement maximum de la pente (roues)	56%	50%	50%	60%
Dépassement maximum de la pente (roues+bras)	100%	100%	100%	120%
Vitesse de rotation tourelle	9 g/min.	9 g/min.	9 g/min.	9 g/min.
Orientation par moteur hydraulique avec frein	standard	standard	standard	standard
Couple de rotation	22000 daN	48000 daN	49000 daN	54000 daN
Effort au godet	28 kN	71 kN	78 kN	115 kN
Effort au balancier	17 kN	48 kN	54 kN	103 kN
Poids	Ton. 4.0	Ton.8.3	Ton.9.0	Ton.11.0
<b>Service refill capacities</b>				
Capacité du réservoir	35 lt.	80 lt.	98 lt.	115 lt.
Capacité du réservoir auxiliaire	----	116 lt.	116 lt.	140 lt.
Huile moteur	6.0 lt.	8.0 lt.	8.0 lt.	8.0 lt.
Huile hydraulique	70 lt.	200 lt.	200 lt.	250 lt.
<b>Acier</b>				
Bras	Weldox 700-900 (avec certification)			
Chassis	Weldox 700 (avec certification)			
Stabilisateurs	Weldox 700 (avec certification)			
Pattes et godets	Hardox 400 (avec certification)			
<b>Dimensions</b>				
Longueur **	3800 mm.	5500 mm.	5500 mm.	6800 mm.
Largeur	1280 mm.	1800 mm.	1850 mm.	2000 mm.
Hauteur	2500 mm.	2550 mm.	2550 mm.	2580 mm.
** bras au l'exterieur du camion				

(les données contenues dans ce catalogue ne sont fournies qu'à titre indicatif. Le constructeur, à n'importe quel moment, pourra apporter des modifications aux modèles décrits dans ce catalogues, pour des raisons de nature technique ou commerciale. Les illustrations dans ce document ne montrent pas nécessairement le produit dans sa version standard. Pour avoir d'ultérieures informations le client est prié de s'adresser au concessionnaire le plus proche ou bien à la OSMA srl directement)

# Especificaciones técnicas

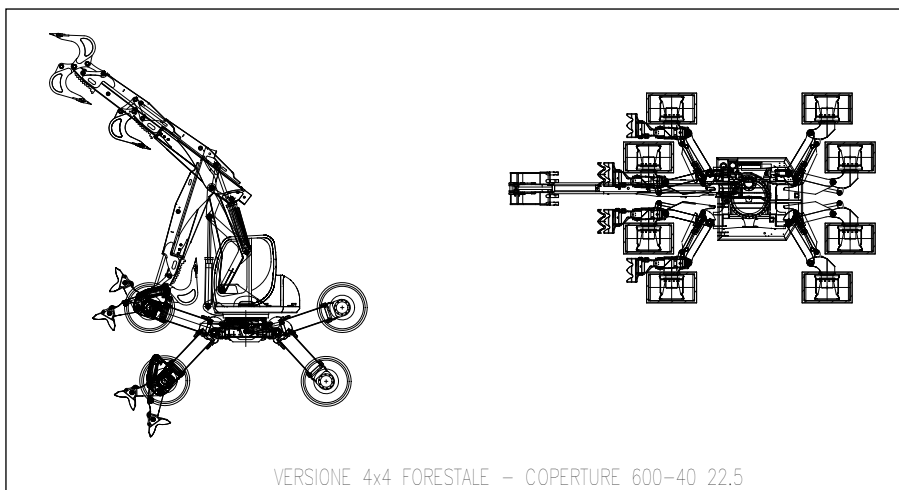
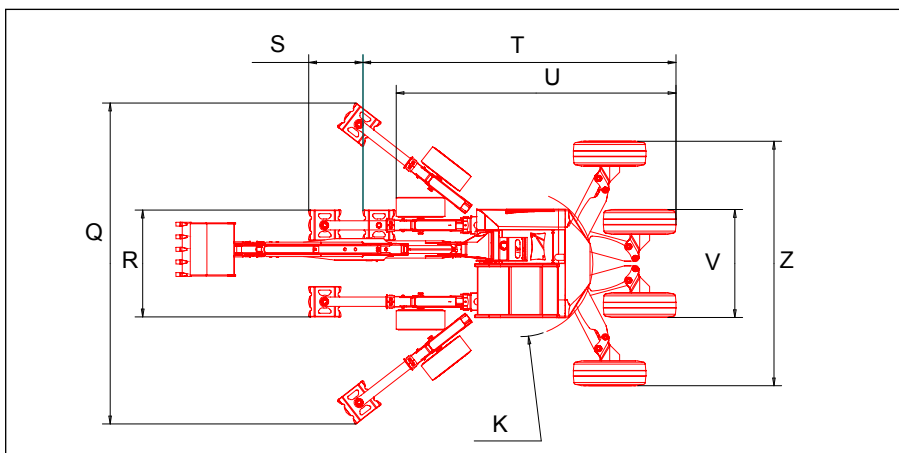
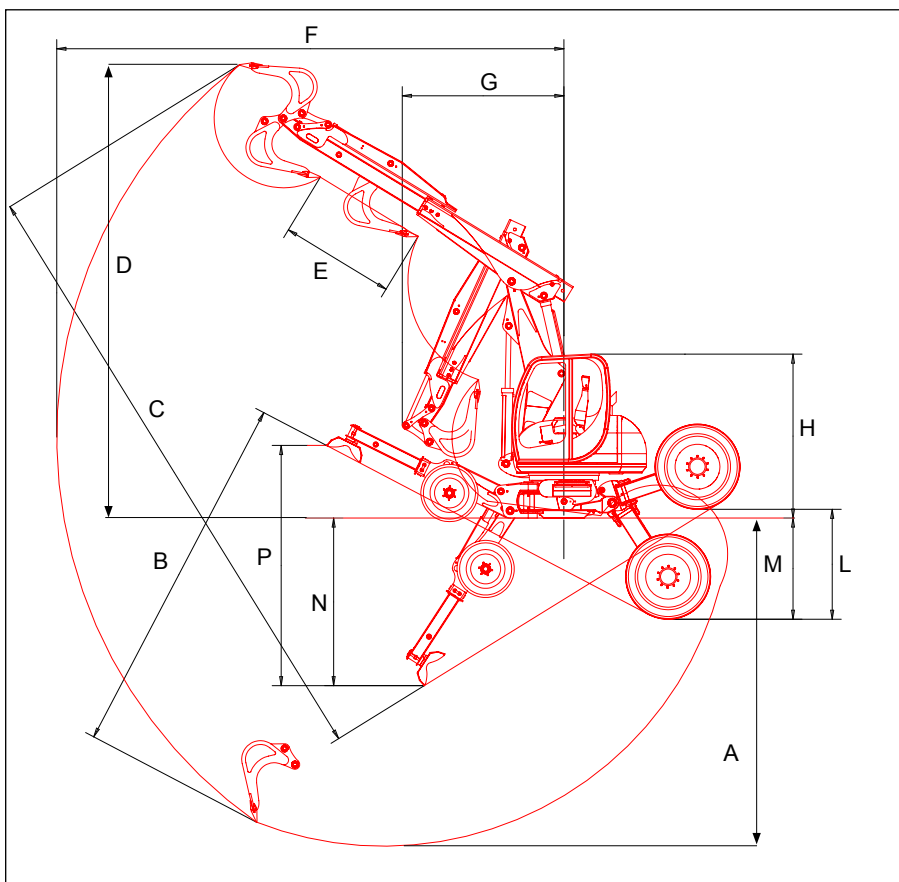
Modelo	P.40	P.70	P.88	P.100
Diesel motor	Kubota V1505T	Perkins 1104C-44T	Perkins 1104D-44TA	Perkins 1104DE-TA
Cilindrada	1498 cc.	4500 cc.	4500 cc.	4500 cc.
Potencia del motor	31 Kw at 2800 g/min.	74,5 Kw at 2200 g/min.	83 Kw at 2200 g/min.	106 Kw at 2200 g/min.
Par maximo	142 Nm	418 Nm at 1400 g/min.	486 Nm at 1400 g/min.	556 Nm at 1400 g/min.
Emisiones del motor	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III	EU Stage IIIA/EPA Tier III
<b>Sistema eléctricos</b>				
Voltaje	12 V	12 V	12 V	12 V
Batería	45 Ah	50 Ah	50 Ah	50 Ah
<b>Sistema hidráulico</b>				
Sistema Load Sensing LUDV Bosch-rexroth de centro cerrado tipo electrónico - control electrónico de motor y bombas				
Circuito hidráulico de trabajo	110 lt/min.	220 lt/min.	250 lt/min.	290 lt/min.
Presión máxima	240 bar	280 bar	300 bar	300 bar
Circuito hidráulico de desplazamiento	70 lt/min.	95 lt/min. idrostatico	95 lt/min.idrostatico	150 lt/min.idrostatico
Presión máxima	240 bar	400 bar	400 bar	450 bar
Circuitos adicionales	60 lt/min.	150 lt/min.	150 lt/min.	180 lt/min.
Presión máxima	240 bar	280 bar	320 bar	320 bar
<b>Datos técnicos</b>				
Velocidades de desplazamiento	0/4.0 - 0/10.5 km/h	0/5.2 - 0/10 km/h	0/5.2 - 0/15 km/h	0/5.2 - 0/15 km/h
Pendiente máxima en las ruedas	56%	50%	50%	60%
Pendiente máxima con ruedas y brazo	100%	100%	100%	120%
Velocidad de giro	9 g/min.	9 g/min.	9 g/min.	9 g/min.
Bloqueo de giro	de serie	de serie	de serie	de serie
Par de giro	22000 daN	48000 daN	49000 daN	54000 daN
Fuerza de desprendimiento del cucharón	28 kN	71 kN	78 kN	115 kN
Fuerza de desprendimiento del brazo	17 kN	48 kN	54 kN	103 kN
Pesos de trabajo	Ton. 4.0	Ton.8.3	Ton.9.0	Ton.11.0
<b>Capacidades de llenado</b>				
Tanque de combustible	35 lt.	80 lt.	98 lt.	115 lt.
Depósito de combustible auxiliar	----	116 lt.	116 lt.	140 lt.
Aceite del motor	6.0 lt.	8.0 lt.	8.0 lt.	8.0 lt.
Depósito hidráulico	70 lt.	180 lt.	180 lt.	230 lt.
<b>Estructuras</b>				
Pluma principal	Weldox 700-900 certified steel			
Carros	Weldox 700 certified steel			
Estabilizadores	Weldox 700 certified steel			
Pies y cazos	Hardox 400 certified steel			
<b>Dimensiones</b>				
Longitud de transporte **	3800 mm.	5500 mm.	5500 mm.	6800 mm.
Anchura total	1280 mm.	1800 mm.	1850 mm.	2000 mm.
Altura	2500 mm.	2550 mm.	2550 mm.	2580 mm.
** El brazo de la excavadora se coloca fuera de la plataforma de carga				

(Los datos contenidos en este catálogo se facilitan a título aproximativo. El fabricante en cualquier momento podrá modificar los modelos descritos en este catálogo, por razones de naturaleza técnica o comercial. Las ilustraciones en este documento no muestran necesariamente el producto en su versión estándar.

Para mayor información el cliente puede contactar con el Concesionario más cercano o con la firma OSMA SNC directamente).



# Working range



VERSIONE 4x4 FORESTALE - COPERTURE 600-40 22.5

# Specifications

RIF.	Modello	P.40 2WD	P70 2WD	P.70 4WD	P.88 2WD	P.100 2WD	P.100 4WD
Unità di misura: mm.							
A		3.110,00	5.000,00	4.800,00	5.000,00	5.150,00	5.200,00
B		3.580,00	5.300,00	5.000,00	5.300,00	5.900,00	5.600,00
C		6.320,00	9.400,00	9.200,00	9.400,00	10.100,00	10.100,00
D		4.865,00	7.200,00	7.400,00	7.200,00	8.650,00	8.650,00
E		800,00	1.500,00	1.500,00	1.500,00	1.800,00	1.800,00
F		5.300,00	7.600,00	7.600,00	7.600,00	8.500,00	8.500,00
G		2.200,00	2.350,00	2.350,00	2.350,00	2.200,00	2.200,00
H		2.540,00	2.550,00	2.550,00	2.550,00	2.550,00	2.550,00
K		1.100,00	1.300,00	1.300,00	1.320,00	1.350,00	1.350,00
L		1.200,00	1.550,00	1.750,00	1.550,00	1.750,00	1.700,00
M		1.150,00	1.400,00	--	1.400,00	1.600,00	--
N		1.540,00	2.400,00	1.750,00	2.400,00	2.700,00	2.300,00
P		2.140,00	3.500,00	--	3.500,00	3.800,00	--
Q		3.635,00	5.500,00	4.200,00	5.500,00	6.000,00	5.000,00
R		1.170,00	1.730,00	1.900,00	1.730,00	2.000,00	2.400,00
S		530,00	850,00	--	850,00	1.000,00	--
T		3.915,00	5.060,00	5.570,00	5.060,00	5.800,00	6.000,00
U		3.580,00	4.560,00	--	4.560,00	5.200,00	--
V		1.280,00	1.800,00	1.900,00	1.970,00	2.000,00	2.400,00
Z		3.020,00	4.200,00	4.200,00	4.200,00	4.510,00	5.000,00



# Operational images



# Standard equipment

(The Standard and optional equipment may vary. For more information contact your Batemag local distributor)

Alternator, 12 V - 50 A

Horn.

Overload alarm.

Cab: suitable for all weather conditions, sound-proofed, equipped with safety glass, window, front window with lock, door lock, pad, intermittent wipers, cigarette lighter, automatic climate control.

Possibility of selection of the operating speed in a continuous manner.

Brake circuits with service brakes multidisc in oil bath.

Closures of protection against vandalism.

Venting the fuel system automatically.

Auto shock absorber.

Air cleaner, dry type, and obstruction gauge.

Hydraulics system electronic control between pump and motor (LUDV) Load sensing.

Fuel gauge.

Levers with mini-joystick

Multifunctional instrument panel with digital display

Radiator and heat exchanger network with dust, temperature sensor.

Heating.

Fully adjustable air suspension seat, with inte-

grated heating.

System for preventing engine overheating.

Transmission: Automatic two-speed hydrostatic.

Hydraulic hammer / clamshell.

Safety valves boom cylinders.

Cooling fan: blower type

Rain visor.

Transparent cab roof.

Radio.

Fuel filling pump.

# Optional equipment

Wide selection of digging buckets:

Excavation standards

Rock excavation,

Canal cleaning,

Clamshell grabs.

Swiveling clamshell buckets.

Hydraulic breaker.

Hydraulic adjustable trimmer.

Hydraulic winch.

Electric-hydraulic quick hitch

Battery for low temperatures

Cyclonic air

Biodegradable oil

Additional led work lights

Tires in various sizes option.

Road approval.

Centralized automatic lubrication system (top only)

Harvester for forestry jobs.

Tree shears cut up to 35 cm.

Forestry mulcher maximum cut up to 30 cm.

High pressure system for brush cutter 150 lt to 350 bar (continuous)

Hydraulic drill

# osma



[www.osmasnc.com](http://www.osmasnc.com)



Our mission is to meet the needs of Osma's customers, simplifying and improving their work and the quality of their work, since early seventies until their next challenge ....

## Info:

Local Dealer:

**BATEMAG**  
engineered by **OSMA**

100% made by:  
OSMA di Sanzanni Francesco, via U.Foscolo 36A  
26020 Scannabue di P.P.(Cr) - Italy  
phone +39 0373982466 fax 0373982443  
web: [www.osmasnc.com](http://www.osmasnc.com)  
mail: [info@osmasnc.com](mailto:info@osmasnc.com)  
excavator division: [info@batemag.com](mailto:info@batemag.com)

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engineered by OSMA