



CRANE MOUNTED FREE HANGING TYPE VIBRATORY HAMMERS

EMS Hydraulic Machine
GROUP Ind. Co. Ltd.
www.emsgroup.com.tr



ABOUT EMS GROUP

EMS Group ® manufactures and supplies the best quality hydraulic vibratory hammers and power packs for global market. We support services and operation of processing as well as the spare parts. We are well-known in our market-leading vibratory hammer range. We have ability to implement, manage and maintain the all steps of manufacturing vibratory hammers and power packs. We are an internationally operating company and determined to become one

of the biggest manufacturer in the hydraulic vibratory hammers sector since 2009. Diligence : We use due diligent practices and efficiency in our manufacturing processes. We improve our group continuously and we will secure the growth of our group in the long term.

Technology : We secure our technological capacity by high product quality , constant innovations of products as well as manufacturing processes. We devote ourselves to manufacture high quality products , ensuring the longevity.

People : We have valuable , honest and team-oriented shop floor with transparent management. The opinions and experience of our employees are very important to make decision about the process. We are doing our best for stable partnership with our customers.

Our Goal : We are determined to reach our goal by the quality management of the EMS group. Our policy is to supply our customers with high-quality products meeting all technological standards and requirements

Market : We are fully aware of that we must maintain and improve our competitive position by always increasing the quality of our services. The quality is determined by the material used, labor costs and financial power i.e. Our quality management is in charge of executing quality control at all levels. Each employee of the EMS group has to be integrated by management in all execution. Each employee of our company takes the responsibility for the quality of his work. Our quality is assured by the close communication between our teams.

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ABOUT OSTIMEX

Ostimex is a foreign trading company in Ankara ,TURKEY.

Ostimex established longer and closer working relationships with our customers and suppliers not only provide immediate and reliable service but to continually exceed expectations and goals.

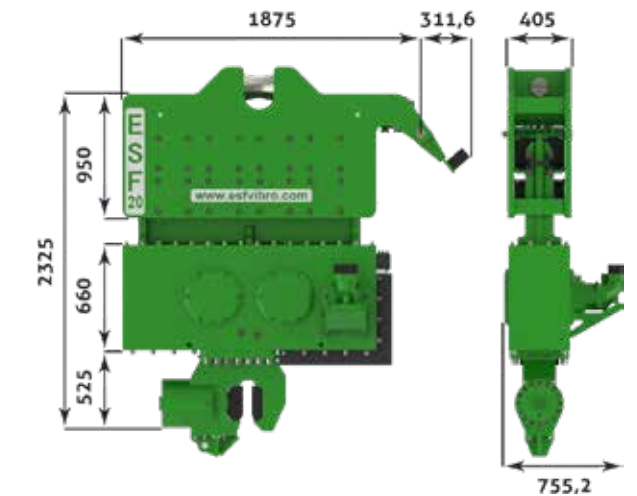
Ostimex creating commercial flows, import and export products, arranging and managing international projects with our partners. By means of our network, we are able to integrate all these functions with our experience. Our numerous competencies allow us to respond to the needs of industries looking for a new market.

We look forward to welcoming you to our company in Turkey.

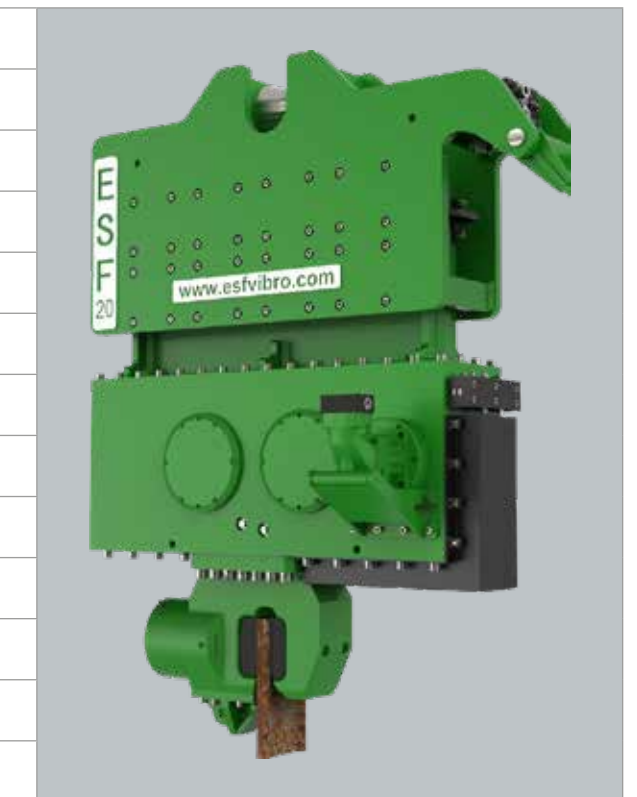


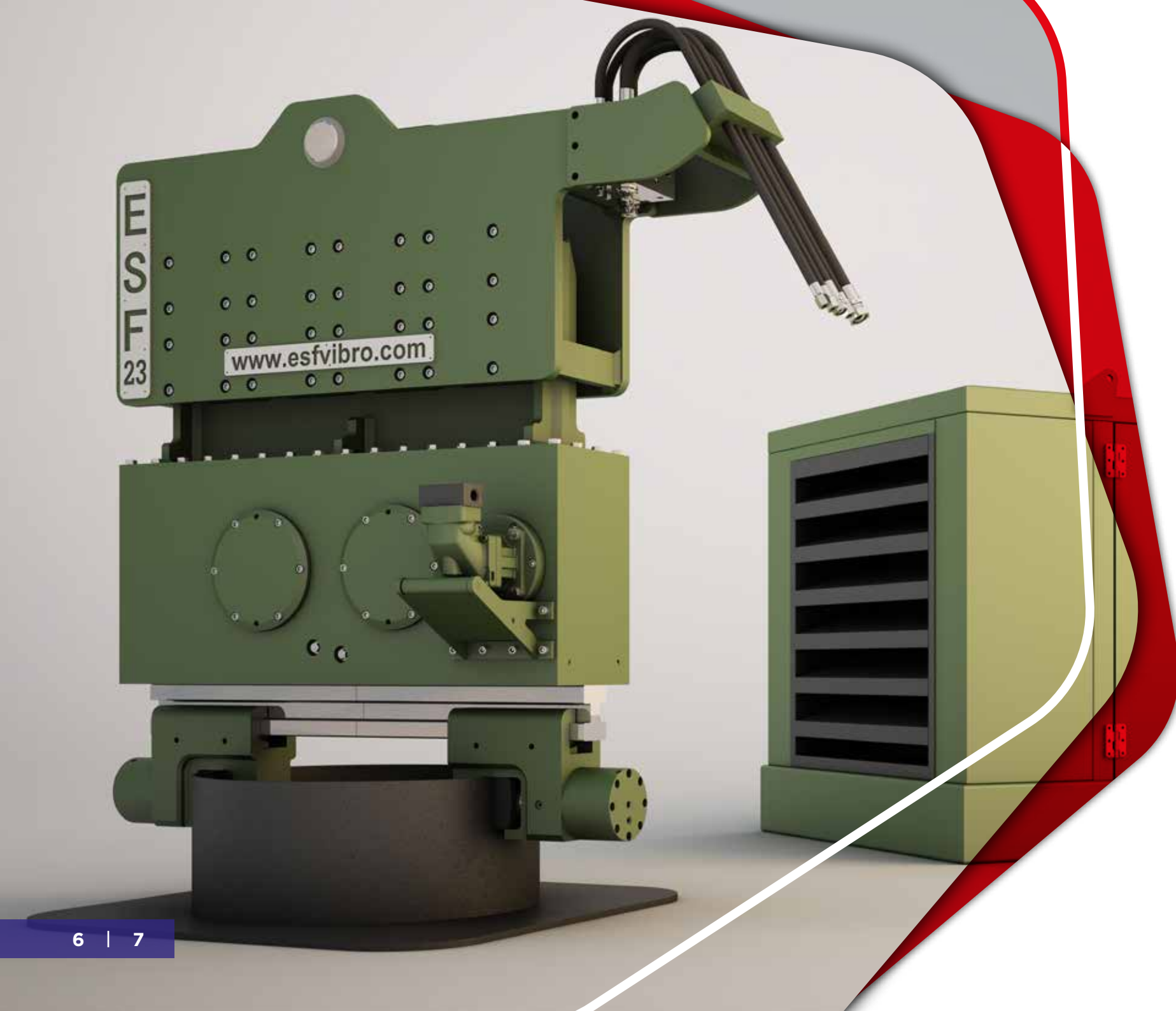
ESF20NF (Normal Frequency) Free Hanging Crane Suspended Vibratory Hammer

ESF20NF is Normal Frequency vibratory hammer with gear box cooling system as standard. As it is Normal Frequency it is operated by PS300 power pack. The FCM100 sheet pile clamp and 2xPCM60 pipe clamp can be mounted.



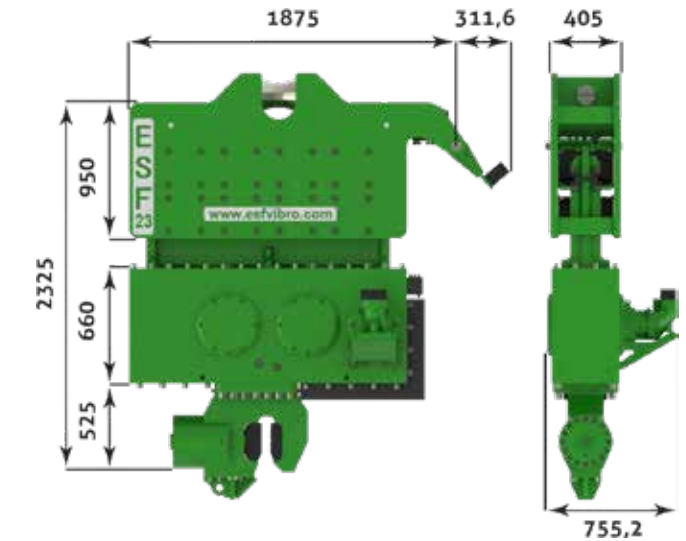
Centrifugal Force	kN	562
Eccentric Moment	kgm	20
Speed	rpm	1600
Pulling Force	kN	320
Total Weight (Without Clamp)	kg	3650
Dynamic Weight	kg	2500
Amplitude	mm	16
Power	kW	137
Displacement	liter/min	275
Working Pressure	bar	300
Height	mm	2325
Width	mm	755,2
Length	mm	1875



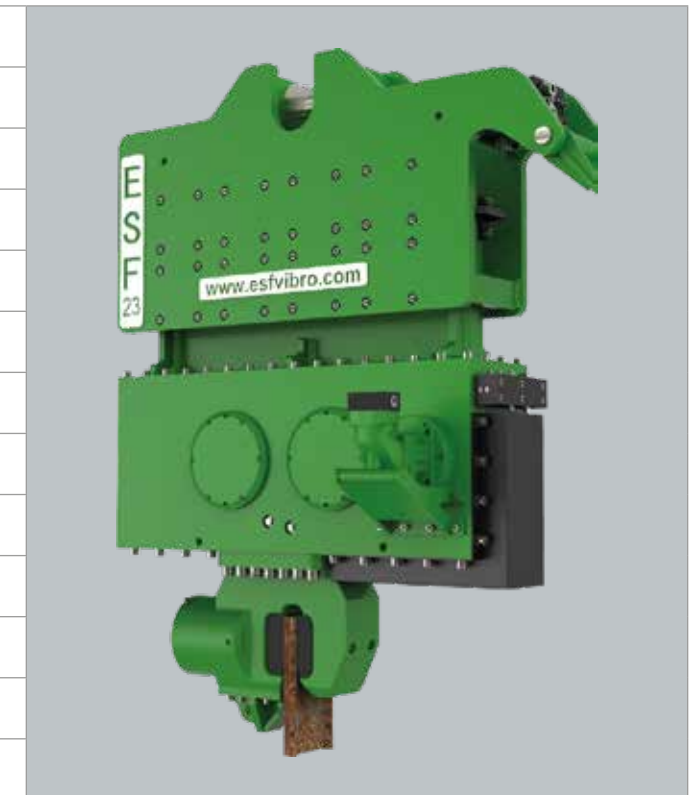


ESF23NF Free Hanging Crane Suspended Vibratory Hammer

ESF23NF is Normal Frequency vibratory hammer with gear box cooling system as standard. As it is Normal Frequency it is operated by PS350 power pack. The FCM100 sheet pile clamp and 2xPCM60 pipe clamp can be mounted.



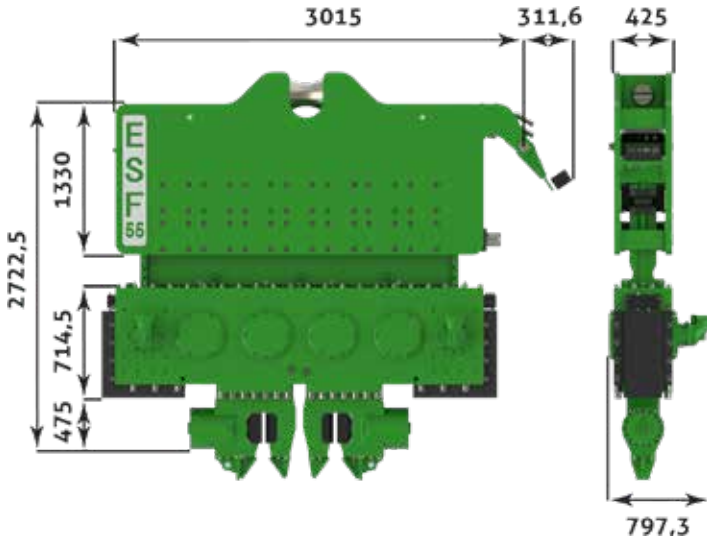
Centrifugal Force	kN	645
Eccentric Moment	kgm	23
Speed	rpm	1600
Pulling Force	kN	645
Total Weight (Without Clamp)	kg	3850
Dynamic Weight	kg	2550
Amplitude	mm	18
Power	kW	137
Displacement	liter/min	275
Working Pressure	bar	300
Height	mm	2325
Width	mm	755,2
Length	mm	1875



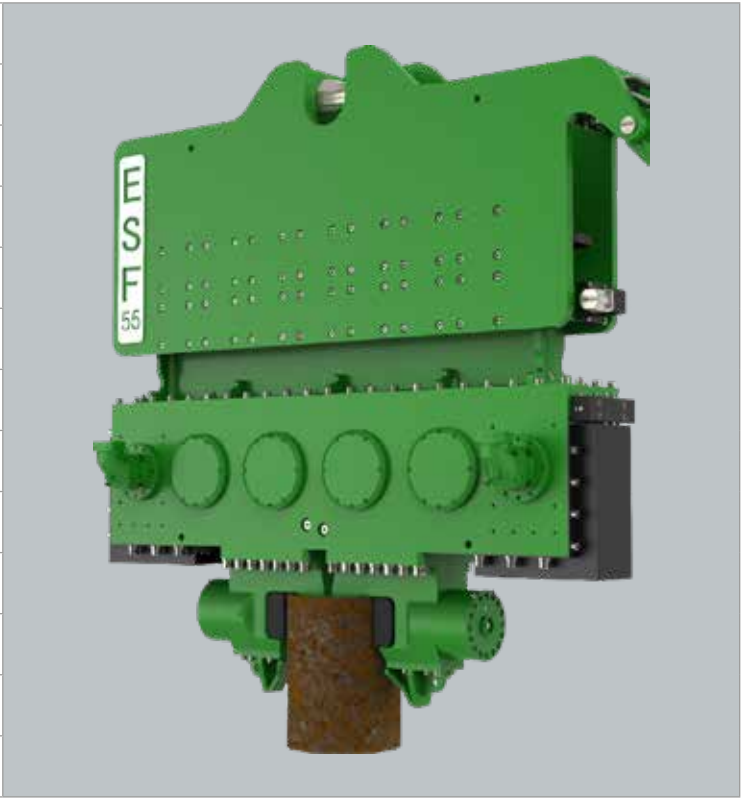


ESF55NF Free Hanging Crane Suspended Vibratory Hammer

ESF55NF is Normal Frequency vibratory hammer with gear box cooling system as standard. As it is Normal Frequency it is operated by PS600 power pack. The FCM180 sheet pile clamp and 2xPCM100 pipe clamp can be mounted.



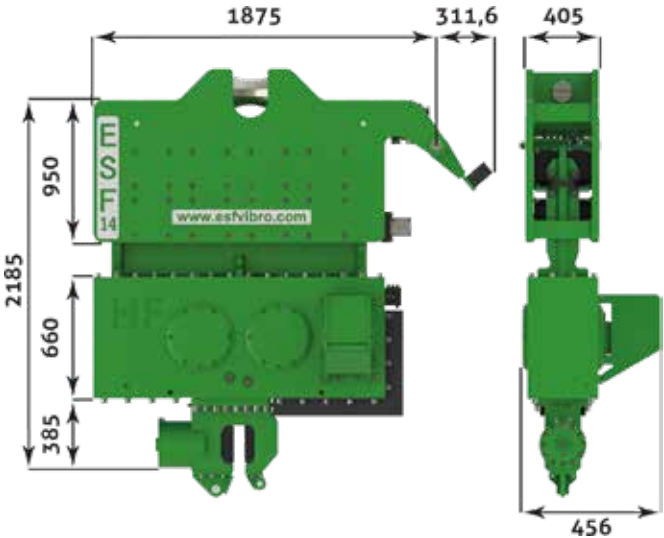
Centrifugal Force	kN	1545
Eccentric Moment	kgm	55
Speed	rpm	1600
Pulling Force	kN	800
Total Weight (Without Clamp)	kg	7780
Dynamic Weight	kg	4600
Amplitude	mm	24
Power	kW	412
Displacement	liter/min	600
Working Pressure	bar	350
Height	mm	2722,5
Width	mm	797,3
Length	mm	3015



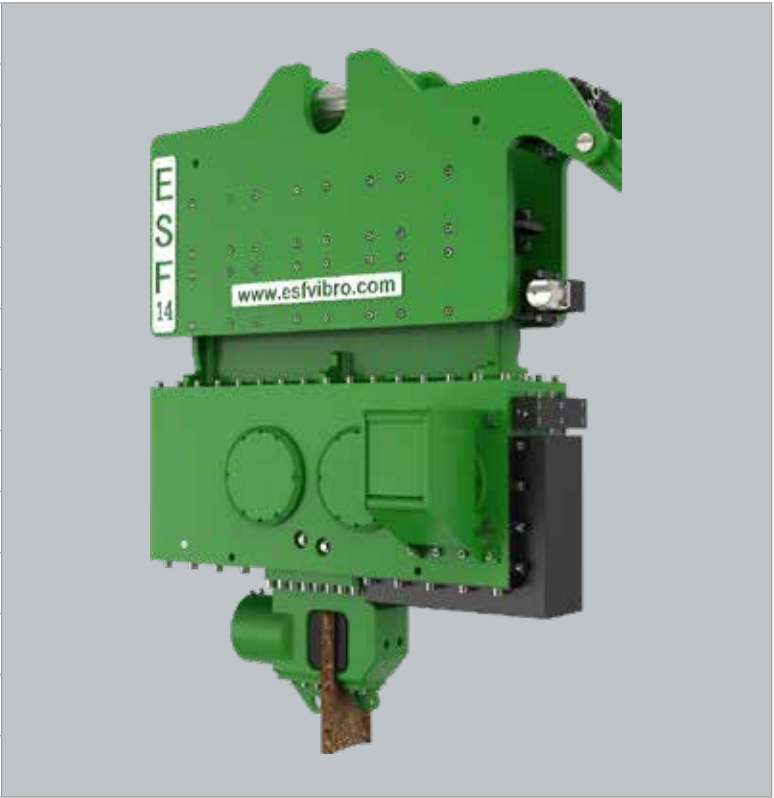


ESF14HF Free Hanging Crane Suspended Vibratory Hammer

ESF14HF crane mounted high frequency vibratory hammer with gear box cooling system is designed for sheet pile or steel tube driving projects in hard soil conditions. ESF14 HF is operated by PS350 Power Pack. The dimensions are designed for easy transport. 1xFCM90 Sheet Pile and 2xFCM60 pipe clamp can be mounted.



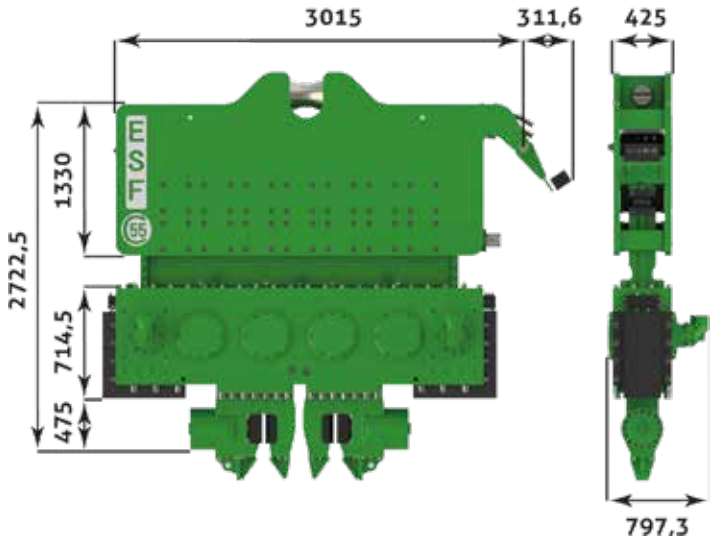
Centrifugal Force	kN	743
Eccentric Moment	kgm	14
Speed	rpm	2200
Pulling Force	kN	320
Total Weight (With Clamp)	kg	3750
Dynamic Weight	kg	2400
Amplitute	mm	12
Power	kW	189
Displacement	liter/min	322
Working Pressure	bar	300
Height	mm	2185
Width	mm	405
Length	mm	1875



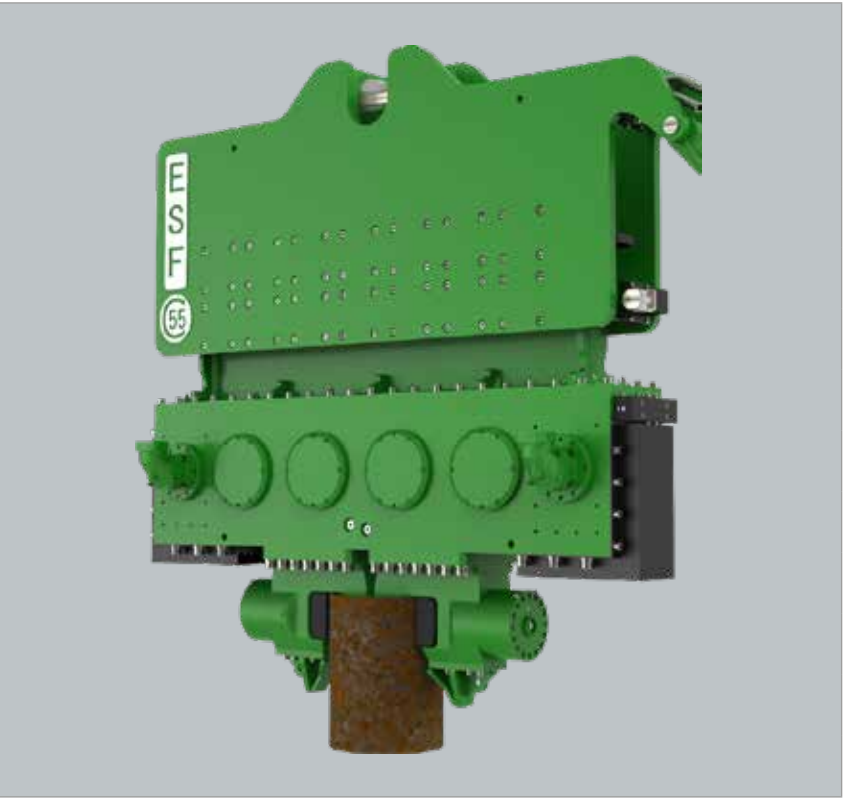


ESF55 C Free Hanging Crane Suspended Vibratory Hammer

ESF55C is High Frequency vibratory hammer with gear box cooling system as standard. As it is High Frequency it is operated by PS600 power pack. The FCM180 sheet pile clamp and 2xPCM100 pipe clamp can be mounted. This model is specially designed for hard-clay ground formations.



Centrifugal Force	kN	2177
Eccentric Moment	kgm	55
Speed	rpm	1900
Pulling Force	kN	800
Total Weight (Without Clamp)	kg	7780
Dynamic Weight	kg	4600
Amplitude	mm	24
Power	kW	412
Displacement	liter/min	600
Working Pressure	bar	350
Height	mm	2722,5
Width	mm	797,3
Length	mm	3015





PS Series

Hydraulic Power Packs

Our PS Series Power Packs not only for vibratory hammers but also for many different industrial applications like vessels and dam projects. Our engineering team always design our PS Series power packs according to the transport dimensions internationally recognised.

We manufacture hydraulic PS series power packs. The advantage of our hydraulic power packs is that we install open - circuit lines inside the cabin. The open - circuit line is always better to make quick repair and reducing the cost of repairs when compared with close - circuit systems.

We apply special isolation walls inside the cabins to prevent hot or cold weather conditions bad effects.

We always use top-brand quality pumps and diesel engines in our power pack systems like Rexroth and Volvo Penta diesel engines.

The standard PS series Power Packs have cable-remote control systems as standard 15 mt. We offer also wireless remote control systems as optional. Each units have operator emergency stop buttons to help operator when needed.

All of the PS series Power Packs has cooling systems both for hydraulic oil and gear box cooling. The user friendly control panel in all PS Series Power Packs helps operator to understand and check all system status clearly.



CLAMPS

FCM & PCM Series Clamps

We manufacture the clamps out of solid steels not to let happen any crack during application. FCM amd PCM series clamps are specially designed for ESF Series Vibratory Hammers on the other hand, we can also manufacture clamps for any other brand vibratory hammers.

FCM 15	15 tons clamp	20 mm Mouth	Suitable for ESF1B
FCM 30	30 tons clamp	28 mm Mouth	Suitable for ESF2B - ESF3B - ESF4B
FCM 60	60 tons clamp	40 mm Mouth	Suitable for ESF6B
FCM 75	75 tons clamp	40 mm Mouth	Suitable for ESF7B
FCM 90	90 tons clamp	55 mm Mouth	Suitable for ESF8B - ESF12B
FCM 100	100 tons clamp	45 mm Mouth	Suitable for ESF20NF - ESF23NF
FCM 180	180 tons clamp	70 mm Mouth	Suitable for ESF55C - ESF55NF

PCM 40	40 tons clamp	With Radius Clamp Shoes	Suitable for ESF20NF - ESF23NF
PCM 80	80 tons clamp	With Radius Clamp Shoes	Suitable for ESF20NF - ESF23NF
PCM 100	100 tons clamp	With Radius Clamp Shoes	Suitable for ESF55C - ESF55NF





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